

**New Student
Curriculum Guide
2019-2020**

Table of Contents

Requirements for Graduation	2
Declaring a Major	2
Search & Life Sequences	2
Writing Requirement	2
Language Requirement	3
The Foundation of the Liberal Arts Requirements	5
Advanced Placement (AP) Credits	7
International Baccalaureate (IB) Credits	8
Foundation Requirements Worksheet	9
Finding Classes & Using BannerWeb	10
Departments and Programs	12
Pre-Professional Programs	
Education	76
Health Professions	
• Clinical Psychology	79
• Dentistry	80
• Medicine	81
• Others	83
Pre-Engineering	84
Pre-Law	88
Pre-Ministry	90
Pre-Veterinary	92

Requirements for Graduation

■ Requirements for Graduation

- 128 credits
- Completion of a major
- A cumulative GPA and a major GPA of at least 2.00
- 3 courses in either the "SEARCH" or the "LIFE" program
- One writing seminar and two writing-intensive courses
- A foreign language through the 201 level
- Completion of the other Foundation Requirements

■ Declaring a Major

Students must declare a major by mid-term of the spring semester of their sophomore year, but may do so earlier if they have a strong interest in a particular department. Students may change majors, but doing so late in an academic career is likely to present problems for graduating in eight semesters.

■ Life and Search Sequences (F1)

All entering students must enroll in either "Life: Then and Now" or "The Search for Values in the Light of Western History and Religion." The first courses in the Life sequence are Religious Studies 101 and 102. These courses introduce the student to the academic study of the Bible and the diverse traditions based on the biblical texts. The first Search courses – Humanities 101 and 102 – comprise an interdisciplinary study of the origins of Western culture, including the study of the Judeo-Christian and Greco-Roman traditions.

■ Writing Requirement (F2)

The ability to express concise and methodical arguments in clear and precise prose is essential to success in most courses at Rhodes and in most of the vocations Rhodes graduates pursue. Students will receive significant training in writing during the first two years through one (1) course (F2s) focused on learning to write, including such skills as critical analysis, clear expression, and effective argumentation, and two (2) writing intensive courses (F2i) focused on using writing to learn discipline-specific content. These three required courses will provide the initial steps in the student's deliberate development as a writer. Given the developmental nature of this foundation requirement series, students are encouraged to take F2s prior to or concurrent with but not after F2i; writing in discipline-specific F2i courses relies on the skills learned in F2s. This requirement will be satisfied by one writing seminar (taken in the first year) and two writing intensive courses, one of which will be in Search/Life. Normally, all three courses are to be completed by the end of the second year. Writing intensive courses and writing seminars may explore material in any discipline or may be interdisciplinary. However, the writing seminars will have as their central focus writing skills.

Requirements for Graduation

■ Language Requirement (F10)

All students who plan to meet this requirement in a language they have previously studied and that Rhodes offers must take the placement test in that language. For French, German, Russian, and Spanish, the online placement test is administered by the Department of Modern Languages and Literatures using WebCAPE. (Students who have taken Chinese in high school should take a paper placement test on the designated dates indicated on the Welcome Week brochure or contact Prof. Han for more information.) Students cannot fulfill the requirement with the online test alone. They will be required to follow up on the exam with an individual oral interview and writing sample with one of the faculty in that language the Monday of Welcome Week. Students planning to fulfill the foreign language degree requirement in a language not previously studied should register for the 101 course in that language. All first-year students should begin language study in the first semester if at all possible.

Students who have taken Latin in high school or at another college or university should take the short Latin placement survey (available with the New Student Enrollment Forms). GRS will review the information provided, and students will receive a recommendation for the appropriate Latin class at Rhodes in about a week.

Students may fulfill the F10 requirement by taking the Latin or Greek proficiency examinations. These are exams written on paper, based on the final exams for Greek and Latin 201. GRS will offer these examinations during Welcome Week.

For information on the Hebrew program at Rhodes, please contact Professor Steve McKenzie. At present only biblical Hebrew is offered at Rhodes. It is possible to fulfill the F10 requirement by completing Hebrew 201 or by passing the Hebrew proficiency exam.

PLEASE NOTE: Students with two or more credits of a language in high school (or two or more block-schedule courses) MAY NOT take 101 courses in that language for credit.

The foreign language proficiency requirement may be fulfilled in any one of the following ways:

- by successfully completing at Rhodes any appropriate four-credit language course numbered 201 or higher
- by achieving a placement score above the 201 level AND demonstrating high intermediate oral and written proficiency through face-to-face testing with language faculty. Students who take 201 (or higher) or the equivalent at another institution can earn transfer credit, but must still demonstrate proficiency (see above) in the specific language before the degree requirement is satisfied. This pertains to languages that are taught at Rhodes

Requirements for Graduation

- by achieving proficiency with Advanced Placement credit as follows:
 - **Modern Languages (Chinese, French, German, Russian, Spanish):** Students who earned a 4 or 5 on a language AP exam in Chinese, French, German, Russian, or Spanish will receive 4 credits of that language's 201 course by demonstrating proficiency in that language. Proficiency is demonstrated by achieving a placement score above the 201 level AND by demonstrating high intermediate oral and written proficiency through face-to-face testing with language faculty. No further language coursework is then required. A student who earned a 4 or 5 on a language AP exam but who does not achieve proficiency based on the placement test and faculty approval does not receive any credit for the AP exam and must take an appropriate four-credit language course numbered 201 or higher in order to earn that credit and proficiency.
 - **Greek and Roman Studies (Latin):** If a student scored a 4 or 5 on the Latin AP exam and completes Latin 202 (or a more advanced course) with a grade of "B" or higher, the student can be awarded 4 credits (Latin 265) for the AP exam. This awarded credit in Latin 265 may be used toward a major or minor in Greek and Roman Studies. A student must pass the Latin proficiency exam or successfully complete Latin 201 or a more advanced course in order to fulfill the F10.

Students who can demonstrate intermediate-mid proficiency in reading, writing, speaking and listening in a language other than English that is not offered at Rhodes may petition the department of Modern Languages and Literatures to fulfill the F10 requirement by way of proficiency testing. Any student planning to pursue this route of satisfying the F10 should contact Eric Henager(henager@rhodes.edu) to discuss the testing process.

The Foundation of the Liberal Arts Requirements

The Foundation requirements establish a framework for liberal education and life-long learning. Unless mentioned otherwise in the description, Foundation requirements will be met by taking one course specified as meeting that requirement, and most requirements will have courses in several different departments that do so.

Upon completion of the requirements and the attainment of a Bachelor's degree from Rhodes, each graduate of the College should be able to:

F1. Critically examine questions of meaning and value. Questions about the meaning and purpose of life are central to human existence. Every area of the Rhodes curriculum touches in some way upon such problems and questions, whether directly as in moral philosophy, epic poetry, and political thought, or indirectly as in studies of the history of medieval Europe, economic theory, and the physical structure of the universe. This requirement is to be satisfied with three courses, either the Search sequence or the Life sequence.

F2. Develop excellence in written communication. The ability to express concise and methodical arguments in clear and precise prose is essential to success in most courses at Rhodes and in most of the vocations Rhodes graduates pursue. This requirement will be satisfied by one writing seminar (taken in the first year) and two writing intensive courses, one of which will be in Search or Life.

F3. Engage in historical thinking about the human past. Historical thinking requires a deliberative stance towards the human past as it is constructed and interpreted with primary sources such as human artifacts, written evidence, oral traditions, and artistic expressions. It requires understanding of historical forces and actors and engagement with interpretive debate, through the skillful use of an evolving set of methodological practices and tools. This requirement may be satisfied by taking one of a set of designated courses which may be taught in a number of departments, notably History, Art and Art History, and Greek and Roman studies.

F4. Read and interpret literary texts. Literary texts provide challenging and influential representations of human experience in its individual, social, and cultural dimensions. Critical and sensitive reading of significant works refines analytical skills and develops an awareness of the power of language.

F5. Create art and analyze artistic expression. Humans express themselves creatively through art forms that are aural, visual, and performed. Creating and studying are particularly effective ways of understanding art. This requirement may be satisfied with a designated course in which the primary and sustained focus is artistic creativity.

F6. Gain facility with mathematical reasoning and expression. Some human experiences are most effectively expressed in mathematical language, and important areas of intellectual inquiry rely on mathematics as a tool of analysis and as a means of conveying information.

F7. Explore and understand scientific approaches to the natural world. Our experience of the world is profoundly influenced by a scientific understanding of the physical realm of our existence. To make informed decisions about the production and application of scientific knowledge, students need to understand the way science

The Foundation of the Liberal Arts Requirements

examines the natural world. Students acquire such knowledge by learning scientific facts and by understanding and engaging through laboratory work the powerful methods by which scientific information is obtained.

F8. Explore and understand the systematic analysis of human interaction and contemporary institutions. Human development, thought, and aspiration occur within societies, and those societies are shaped by various social and political institutions. Familiarity with the systematic analysis of contemporary institutions is an important component of a sound understanding of the world and is a foundation for responsible citizenship.

F9. View the world from more than one cultural perspective. The individual of today's world must be able to understand issues and events through multiple cultural perspectives by developing abilities that facilitate intelligent and respectful interaction in various cultural contexts. These abilities include recognizing, understanding and articulating the similarities and differences of cultural perspectives, including one's own.

F10. Demonstrate intermediate second language proficiency. Proficiency in a second language allows a level of access to a culture that is not achievable through sources in translation. Intermediate proficiency includes the ability to understand and communicate with members of the target culture, negotiate differences between the second language and the first, and use the second language as a tool for human communication.

F11. Participate in activities that broaden connections between the classroom and the world. Rhodes students are asked to become engaged citizens, participating in the local community - its politics, its culture, its problems, its aspirations – and in the world community. Students gain skill in connecting knowledge to its uses through educational experience that takes them off campus.

F12. Develop skills to become an informed, active and engaged student-citizen. The F12 provides opportunities to explore core aspects of one's community and one's self. Students will learn how to thrive within a learning environment, and how to develop the skills and discover resources necessary to flourish as an individual, as a scholar, and as an active citizen of the interconnected communities of Rhodes College, Memphis, and the wider world. This requirement is fulfilled through the successful completion of a first year seminar two-semester sequence at Rhodes as approved by the Foundations Curriculum Committee.

2019 – 2020 Advanced Placement

*** Courses for which you receive AP/IB credit may not be taken for credit. Should you enroll in any course for which you have received AP/IB credit, the AP/IB credit will be waived.**

AP Subject	Score of 4 or 5 unless specified	2019 Course Equivalent/Credits	Foundation Requirement Met with Score of 5	Next Course
Art (History)		Art 265 / 4 credits	None	Any 100 or 200-level course
Art (Studio)		Art 166 / 4 credits	None	Any 100 or 200-level course
Biology		Biology 130, 131 and 140, 141 9 credits	F7	Any 200 or 300-level course
Chemistry		Chem 105 / 4 credits	F7: 4 or 5	Chem 120, 120L
Economics: Micro Economics: Macro	4 in both	Econ 100 / 4 credits	F8	Any 200-level course
English Language		FYWS 151 / 4 credits	F2s: 4 or 5	Any 200-level course
English Literature		English 265 / 4 credits	F4	Any 200-level course
Environmental Science		Biology 120 / 4 credits	F7	Any other course
Chinese, French, German, Spanish	Students who earned a 4 or 5 on a language AP exam in Chinese, French, German, or Spanish will receive 4 credits of that language's 201 course by demonstrating proficiency in that language. Proficiency is achieved through placement into a language course at a level above 201 and by approval of the appropriate language faculty. No further language coursework is then required. A student who earned a 4 or 5 on a language AP exam but who does not achieve proficiency based on the placement test and faculty approval does not receive any credit for the AP exam and must take an appropriate four-credit language course numbered 201 or higher in order to earn that credit and proficiency.			
Latin	If a student scored a 4 or 5 on the Latin AP exam and completes Latin 202 (or a more advanced course) with a grade of "B" or higher, the student can be awarded 4 credits (Latin 265) for the AP exam. This awarded credit in Latin 265 may be used toward a major or minor in Greek and Roman Studies. A student must pass the Latin proficiency exam or successfully complete Latin 201 or a more advanced course in order to fulfill the F10.			

Govt/Poli: American		Political Science 099 / 4 credits	F8	Political Science 151
Govt/Poli: Comparative		Int'l Studies 120 / 4 credits	F8	Int'l Studies 110
History: American		History 099 / 4 credits	F3	Any 100 or 200-level course
History: European		History 099 / 4 credits	F3	Any 100 or 200-level course
History: World		History 099 / 4 credits	F3	Any 100 or 200-level course
Human Geography		Anthro/Soc 265 / 4 credits		Any other course
Math: Intro Prob/Statistics		Math 111 / 4 credits	F6	Math 112, 115 or 122
Calculus: AB		Math 105 / 4 credits	F6	Math 122 (Students not eligible to take Math 112)
Calculus: BC		Math 112, 122 / 8 credits	F6	Math 223
Calculus: BC	3	Math 112 / 4 credits	None	Math 122
Computer Science: A		Comp 141 / 4 credits	F6	Comp 142
Computer Science: AB		Comp 141 / 4 credits	F6	See Department
Music: Theory		Music 105 / 4 credits	F5	See Department
Physics 1		Physics 109 & 113 / 4 credits	F7	Physics 110 & 114
Physics 1	3	Physics 109 & 113 / 4 credits	None	Physics 110 & 114
Physics 2		Physics 110 & 114 / 4 credits	F7	Physics 211
Physics 2	3	Physics 110 & 114 / 4 credits	None	Physics 211
Physics C - mechanics		Physics 111 & 113 / 4 credits	F7	Physics 112 & 114
Physics C - elect & magnetism		Physics 112 & 114 / 4 credits	F7	Physics 211
Psychology		Psychology 150 / 4 credits	F8	Any 100 or 200-level course

International Baccalaureate

IB Subject (Higher Level Courses Only)	Score of 5, 6, or 7	2018 Course Equivalent	Foundation Requirement Met With Score 6 or 7	Next Course
Art		Art 265 – 4 credits	None	Any 100 or 200- level course
Biology		Biology 130, 131 and 140, 141 9 credits	F7	Any 200 or 300- level course
Chemistry		Chemistry 105 – 4 credits	F7	Chemistry 120
Economics		Economics 099 – 4 credits	None	Economics 100
English		FYWS 151 and Engl 265 8 credits	F2 with 5 F4	Any 200-level course
Geography		ENVS 205 – 4 credits	None	All 100 & 200 courses except 250
History		History 099 – 4 credits	F3	Any 100 or 200- level course
Languages	As specified in AP Policy above			
Mathematics		Math 105 – 4 credits	F6	Math 122 (Students not eligible to take Math 112)
Music HL		Music 101 – 4 credits	F5 with 6 or 7	
Physics		Physics 109-110, 113-114	F7 with 5	
Psychology		Psychology 150 – 4 credits	F8	Any 100 or 200- level course
Theatre		Theatre 100 – 4 credits	F5	Any 100-level course
Visual Arts		Art 265 – 4 credits	None	Any 100 or 200- level course

Foundation Requirements Worksheet

The Foundation Requirements Courses

F1. Critically examine questions of meaning and value. _____

F2. Develop excellence in written communication. (F2-s and F2-i)

(1 seminar [e.g., Writing Seminar 151/FYWS 155] & 2 intensive.

One intensive course will be Hum 102 or RS 102.) _____

F3. Understand how change over time has shaped human cultures. _____

F4. Read and interpret literary texts. _____

F5. Create art and analyze artistic expression. _____

F6. Gain facility with mathematical reasoning and expression. _____

F7. Explore and understand scientific approaches to the natural world. _____

F8. Explore and understand the systematic analysis of human interaction

_____ and contemporary institutions. _____

F9. View the world from more than one cultural perspective. _____

F10. Demonstrate intermediate second language proficiency _____

F11. Participate in activities that broaden connections between the

_____ classroom and the world. _____

F12. Develop skills to become an informed, active and engaged student-citizen. _____

	First Year	Second Year	Third Year	Fourth Year
Fall	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
Total Credit	_____	_____	_____	_____
	First Year	Second Year	Third Year	Fourth Year
Spring	_____	_____	_____	_____

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total Credit _____	_____	_____	_____

Total credits needed to graduate: 128

AP, IB, Transfer credit _____

FINDING CLASSES AND USING BANNERWEB

Courses for each semester can be found using the class schedule on BannerWeb. By utilizing the *Advanced Search* option, class listings may be created to satisfy individual parameters such as F Requirement(s), Instructor(s), and/or Time of Day.

BannerWeb can be accessed through [Rhodes Express Online](https://banweb.rhodes.edu/) or directly at <https://banweb.rhodes.edu/>.

Login to BannerWeb with your username and password

Click *Schedule of Classes*


Choose the term you wish to search and click *Submit*

Click **Advanced Search**

Choose desired class options and click *Section Search*


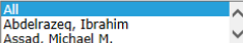
For Example: To find a list of classes with the F3 Requirement

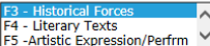
Advanced Search

 Use the selection options to search the class schedule. You may choose any combination of fields to narrow your search is complete.

Subject: 

Highlight the subject(s) you wish to search. For all subjects *Click* the first subject listed, scroll down to the bottom of the list and *Shift Click* on the last subject. All subjects should now be highlighted.

Course Number:
Title:
Schedule Type: hours to hours
Credit Range:
Part of Term: 
Non-date based courses only
Instructor: 

Attribute Type: 

Choose the Attribute Type F3

Start Time: Hour Minute am/pm
End Time: Hour Minute am/pm
Days: ☐ Mon ☐ Tue ☐ Wed ☐ Thur ☐ Fri ☐ Sat

FINDING CLASSES AND USING BANNERWEB

You will receive a listing similar to this of all classes meeting your criteria.

Sections Found

Anthropology/Sociology

Select	CRN	Subj	Crse	Sec	Cmp	Cred	Title	Days	Time
NR	18108	ANSO	325	01	M	4.000	THE MAYA AND THEIR WORLD	TR	12:30 pm-01:45 pm

Art

Select	CRN	Subj	Crse	Sec	Cmp	Cred	Title	Days	Time
C	18116	ART	151	01	M	4.000	SURVEY OF WESTERN ART	MWF	10:00 am-10:50 am
NR	18117	ART	152	01	M	4.000	SURVEY/CONTEMPORARY ART	MWF	12:00 pm-12:50 pm

Chinese

Select	CRN	Subj	Crse	Sec	Cmp	Cred	Title	Days	Time
NR	18440	CHIN	214	01	M	4.000	INTRO TO CHINESE CULTURE	TR	12:30 pm-01:45 pm
C	18863	CHIN	314	01	M	4.000	INTRO TO CHINESE CULTURE	R	12:30 pm-01:45 pm

Greek and Roman Studies

Select	CRN	Subj	Crse	Sec	Cmp	Cred	Title	Days	Time
NR	18851	GRRO	833	01	EUR	4.000	FROM PERICLES TO CAESAR	TBA	

History

Select	CRN	Subj	Crse	Sec	Cmp	Cred	Title	Days	Time
NR	18360	HIST	105	01	M	4.000	EXPLORATIONS AF-AM HISTORY	MWF	08:00 am-08:50 am
NR	18361	HIST	105	02	M	4.000	HISTORY:HUMAN REPRODUCTION	MWF	09:00 am-09:50 am
NR	18362	HIST	105	03	M	4.000	BRITISH EMPIRE THROUGH FILM	MWF	12:00 pm-12:50 pm
								R	06:00 pm-08:00 pm
NR	18367	HIST	105	04	M	4.000	INTRO SEMINAR: WWII IN ASIA	MW	02:00 pm-03:15 pm
NR	18364	HIST	105	05	M	4.000	EGYPT IN AGE OF PHAROAHs	TR	12:30 pm-01:45 pm

AFRICANA STUDIES

Degree offered: None

Minor: Yes (See Catalogue for requirements.)

Total Credits Required for Minor: 24

Elective courses appropriate for beginning students:

- Anthropology/Sociology 331 Race and Ethnicity in American Society
- English 224 Survey of African American Literature (F4)
- English 265 Special Topics in English (F2)
- History 105 Special Topics in African American History (F2, F3)
- History 242 African-American (F3, F9)
- History 243 The Civil Rights Movement (F3)
- Music 105 Topics in Music (when offered)
- Music 118 African American Music (F5, F9)
- Music 120 The History of the Blues (F3, F5)
- Political Science 206 Urban Politics and Policy
- Religious Studies 259 Martin Luther and the Modern Civil Rights Movement(F1)
- Theater 265 Contemporary African American Theater
- Urban Studies 265 The Black Community and Law Enforcement

Courses required for the minor and appropriate for beginning students:

- History 242 African American History (F3, F9)
- English 224 African American Literature (F9, F4)
- Africana Studies 105 Introduction to Africana Studies (F9)

Required courses in other departments:

- History 242 African American History (F3, F9)
- International Studies 251 Government and Politics of Africa(F9)
- Africana Studies 305 Africana Theory

Courses that close quickly:

- History 242 African American History (F3, F9)
- Anthropology/Sociology 331 Race and Ethnicity in American Society
- English 224 Survey of African American Literature (F4)
- Music 118 African American Music(F5, F9)
- Religious Studies 259 Martin Luther King and the Modern Civil Rights Movement(F1)

Courses that must be taken in sequence:

- NA

AFRICANA STUDIES

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- NA

Additional Notes:

ANTHROPOLOGY AND SOCIOLOGY

Degree offered: BA

Tracks: NA

Total Credits Required for Major: 50

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- All 100- and most 200-level courses are appropriate for beginning students. Courses other than 100- and 200-level courses require the consent of the instructor.

Courses required for majors and appropriate for beginning students:

- 103 Introductory Anthropology (F9)
- 105 Introductory Sociology (F8)

Required courses in other departments:

- NA

Recommended courses in other departments:

- Courses in other disciplines that complement the foci of Anthropology and Sociology on human origins, early and contemporary cultures, the relationship between humans and their social, built, and natural environments, social stratification (race, class, gender, ethnicity), and social institutions.
- Some courses offered under the following programs: Africana Studies, Archaeology, Environmental Studies, Latin American Studies, Urban Studies, and Gender and Sexuality Studies
- Language courses

Latest time to begin a major and graduate on schedule:

- Second semester sophomore year

AP credit: No

Courses that close quickly:

- 103 Introductory Anthropology (F9)
- 105 Introductory Sociology (F8)

Courses that must be taken in sequence:

- NA

Courses not to be taken concurrently:

- NA

ANTHROPOLOGY AND SOCIOLOGY

Courses with time-of-year limitations:

- NA

Courses that don't count toward a major:

- NA

Additional Notes:

- Students intending to major in the department are required to take both ANSO 103 Introduction to Anthropology (F9) and ANSO 105 Introduction to Sociology (F8). These courses do not need to be taken in sequence. (These Introductory courses are not open to seniors.)
- Students intending to pursue pre-medical studies are encouraged to take Introductory Sociology as the MCAT includes a section on social foundations of behavior.
- Also appropriate for first-year and sophomore students are
 - ANSO 211 Peoples of sub-Saharan Africa and Madagascar
 - ANSO 215 The Final Frontier: Peopling and Peoples of the Pacific
 - ANSO 221 North of the Rio Grande: Indigenous Peoples of North America

These courses fulfill an F9 requirement as well as elective credit for minors and majors. Because these courses have no prerequisites and are open to all students, it is the case that a first-year student in the fall semester might find themselves in a course with juniors and seniors, some of whom may be ANSO majors

ARCHAEOLOGY

Degree offered: NA

Minor: Yes (See Catalogue for requirements.)

Total Credits Required for Minor: 24

For questions about the Minor in Archaeology please contact a Program Committee Member:

- Miriam Clinton, Department of Art and Art History
- Kimberly Kasper, Department of Anthropology and Sociology
- Susan Kus, Department of Anthropology and Sociology, Chair of the Archaeology Program
- Jeanne Lopiparo, Department of Anthropology and Sociology
- Milton Moreland, Department of Religious Studies
- Jon Russ, Department of Chemistry
- Susan Satterfield, Department of Greek and Roman Studies

ART AND ART HISTORY

Degree offered: BA

Tracks: Art, Art History, or Art & Art History

Total Credits Required for Major: 48, 48, 64

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- 101 Beginning Drawing (F5)
- 102 Digital (F5)
- 107 Beginning Sculpture (F5)
- 110 Film and Experimental Video Production (F5)
- 116 Animation as Creative Practice (F5)
- 151 Survey of Western Art (F3, F5)
- 152 Survey of Contemporary Art (F3, F5)
- 212 Introduction to Performance Art (F5)
- 165 Special Topics in Art History (F5)
- 166 Special Topics in Studio Art (F5)

Courses required for majors and appropriate for beginning students:

- 100- and 200-level courses. (See Catalogue for specific courses.)

Required courses in other departments:

- NA

Recommended courses in other departments:

- Languages; Urban Studies; Archaeology; Greek and Roman Studies; Film Studies; Cultural Studies.

Latest time to begin a major and graduate on schedule:

- Junior Year

AP credit: Yes (See AP Exam table for details.)

Courses that close quickly:

- NA

Courses that must be taken in sequence:

- 105, 205, 305 Painting
- 107, 207, 307 Sculpture
- 110, 213, 313

Courses not to be taken concurrently:

- NA

ART AND ART HISTORY

Courses with time-of-year limitations:

- Art 485- Senior Seminar must be taken in the fall of senior year.
- Art 486- Senior Thesis must be taken in the spring of senior year.

Courses that don't count toward a major:

- NA

Additional Notes:

- For studio we recommend ART 101 (Drawing), ART 105 (Painting) and ART 107 (Sculpture). Any other 100-level and some 200-level courses are also appropriate.
- For art history we recommend ART 151 (History of Western Art) and ART 152 (Survey of Contemporary Art). For other courses students should seek the advice of the relevant instructor.
- Students with prior experience and/or AP credit should consult with individual faculty about the appropriate 200-level course to take in either studio or art history.

ASIAN STUDIES

Degree offered: None

Minor: Yes (See Catalogue for requirements.)

Total Credits Required for Minor: 20

Elective courses appropriate for beginning students:

- History 105: World War II in Asia(F2, F3)
- History 105: The Two Koreas, Past and Present(F2, F3)
- History 283: Modern China(F3, F9)
- Chinese 220: Contemporary Chinese Cinema(F5, F9)
- Religious Studies 258: Buddhism(F1, F9)

Courses required for the minor and appropriate for beginning students:

- The Asian Studies minor requires a “Primary” course from a list of nearly twenty courses available on campus in History, Art, Chinese, International Studies, and Religious Studies. A list of all “Primary” Asian Studies courses is available in the Catalogue.

Required courses in other departments:

- In addition to a “Primary” course, the minor requires a “Secondary” course in a second department. A list of all “Secondary” Asian Studies courses is available in the Catalogue.

Recommended courses in other departments:

- NA

AP credit: No

Courses that close quickly:

- Religious Studies 255 Living Religions in Today’s World (F1, F9)
- Religious Studies 258 Topics in the History of Religions (F1)

Courses that must be taken in sequence:

- NA

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- NA

Additional Notes:

BIOCHEMISTRY AND MOLECULAR BIOLOGY

Degree offered: BS

Tracks: NA

Total Credits Required for Major: 53-56

Minor: No

Courses appropriate for beginning students:

- CHEM 120/125L Foundations in Chemistry with Lab (F7)
- BIOL 130/131L Introductory Biology I (in the first semester) (F7)
- CHEM 211 Organic Chemistry I (in the second semester)
- Students who have a strong background in chemistry and biology and intend to major in BMB should consider taking both Introductory Biology (BIOL 130/131L) and Foundations of Chemistry (120/125L). Otherwise, it is okay to take one or the other, depending on which course they find most interesting.

Courses required for majors and appropriate for beginning students:

- CHEM 120/125L Foundations in Chemistry with Lab (in the first semester) (F7)
- BIOL 130/131L Introductory Biology I (in the first semester) (F7)

Required courses in other departments:

- BIOL 130/131L Biology I with Lab (F7)
- BIOL 140/141L Biology II with Lab
- CHEM 120/125L Foundations in Chemistry with Lab (F7)
- CHEM 211 & 212 with 212L Organic Chemistry I & II with Lab
- CHEM 240/240L Analytical Chemistry with Lab
- BIOL 325/325L Molecular Biology with Lab
- CHEM 414 Biochemistry
- BIOL 307 Cell Biology
- One of the following:
 - COMP 141 Comp Science (F6); or MATH 122 Integral Calculus (F6); or
 - MATH 111 Intro to Applied Statistics (F6), PSYC 211 Statistical Methods (F6), or ECON 290 Probability and Statistics (F6)
- Required courses offered directly through the BMB Program are:
 - BMB 310 Methods in Biochemistry and Cell Biology
 - BMB 485 or 486 Senior Seminar

Students are also required to choose two courses from the following list to fulfill the major where at least one must have a lab:

- BIOL 204/204L Mechanisms of Development with Lab
- BIOL 301/301L Microbiology with Lab

BIOCHEMISTRY AND MOLECULAR BIOLOGY

- BIOL 304/304L Genetics with Lab
- BIOL 330 Virology/Immunology
- BIOL 376 Molecular Neuroscience
- BIOL 380 Topics in Biomedical Science
- CHEM 311 Physical Chemistry
- CHEM 406 Advanced Analytical Chemistry
- CHEM 416 Mechanism of Drug Action
- BMB 451 or 452 Research, 4 credits, may only satisfy one elective

Recommended courses in other departments:

- NA

Additional Notes:

BIOLOGY

Degree offered: BS

Tracks: NA

Total Credits Required for Major: 57-59

Interdisciplinary Major (See Catalogue for requirements)

- Biomathematics

Minor: No

Courses appropriate for beginning students:

- 105 Topics courses (F7). Designed for non-science majors, these courses cover biological principles and information through examination of a single thematic topic such as Cancer Biology, Disease & Immunity, Biology of the Mind, and Microbes & Human Affairs. These courses include lecture and a required laboratory.
- 120 Introduction to Environmental Sciences (F7). May be used to fulfill a major or minor requirement in Environmental Science or Environmental Studies, but does not count toward the Biology major. Suitable for non-majors with strong high school science backgrounds. This course includes lecture and a required laboratory.
- 130 Biology I Introductory Biology (F7). Required for Biology majors. Suitable for non-majors with strong high school science backgrounds. Students taking this lecture course must enroll in the accompanying laboratory (131L) at the same time. BIOL 130 and 131L are only offered in the fall semester.
- 140 Biology II Introductory Biology. Required for Biology majors. Suitable for non-majors with strong high school science backgrounds. Students taking this lecture course must enroll in the accompanying laboratory (141) at the same time, and 140/141L are only offered in the spring semester. Both 130 Biology I and 131L are prerequisites to 140 Biology II and 1411L.

Courses required for majors and appropriate for beginning students:

- 130/131L Biology I and lab (F7)
- 140/141L Biology II and lab
- 130/131L and 140/141L are the appropriate courses for students considering medicine or other health-related fields. Biology 130/131L are prerequisites for Biology 140/141L.

Required courses in other departments:

- CHEM 120/125L (F7) and 211
- MATH 111, MATH 211, ECON 290, or PSYC 211 (all F6)
- MATH 115, MATH 122, MATH 214, INTD 225 (GIS), or COMP 141 or above (all F6)

BIOLOGY

Recommended courses in other departments:

- CHEM 212-212L, 240-240L
- PHYS 109-110 or 111-112; 113L-114L

Latest time to begin a major and graduate on schedule:

- Sophomore year (if no biology courses or cognates have been taken)

AP credit: Yes (See AP Exam table for details.)

- Students with AP credit in Biology are encouraged to talk to their adviser to gauge their readiness to take upper level courses in Biology. We often recommend that they take the Introductory Biology courses and give up their AP credit.

Courses that close quickly:

- 105 Topics in Biology - Students with good academic records or strong science backgrounds or interest may take Bio 130/131L if 105 is closed. Others may be advised to wait for availability.
- 120 Introduction to Environmental Science – Recommended for students with strong science backgrounds or interest. If closed, such students may consider BIOL 130/131.
- Upper Level Biology Classes - Most upper level biology classes (200 or higher) close quickly and must be listed as first choices on the registration Tree.

Courses that must be taken in sequence:

- 130/131L Biology I and lab must be taken before 140-141L Biology II and lab

Courses not to be taken concurrently: NA

Courses with time-of-year limitations:

- 130/131L Biology I and lab are only offered in the fall semester
- 140/141L Biology II and lab are only offered in the spring semester

Courses that don't count toward a Biology major:

- 104 and 105 Topics in Biology
- 115/115L and 116/116L. Consortium courses at CBU. Human Anatomy and Physiology I and II, with Lab
- 120 Introduction to Environmental Science (F7)
- 460 and 461 Internship in Biology

BIOLOGY

Additional Notes:

- The introductory Biology sequence begins only in the fall.
- BIOL 120 Introduction to Environmental Sciences is closed to seniors and juniors. Upper class students considering majoring or minoring in Environmental Science or Environmental Studies or with a strong interest in environmental sciences should speak to the ENVS Program Chair to request permission to enroll. Other upper class students seeking to fulfill their F7 requirement should be encouraged to enroll in BIOL 105.
- Students who have a very strong background in the sciences and intend to major in Biology or Chemistry may consider taking both the Introductory Biology (BIOL 130/131L and 140/141L) and Foundations of Chemistry and Organic Chemistry I (CHEM 120/125L and 211) one-year sequences in their first year. Otherwise, it is okay to take one or the other, depending on which major they are more inclined toward.
- Students considering careers in any health profession or in veterinary medicine should communicate with one of the HPA directors (Dr. Alan Jaslow, Ms. Jessica Kelso, or Dr. Charles Snyder) within the first month of classes.

BUSINESS

Degree offered: BA

Tracks: General Business and International Business

Total Credits Required for Major: 46

Interdisciplinary Major: Economics and Business – 62 credits

Minor: Yes

Courses appropriate for beginning students:

- ECON 100 - Introduction to Economics (F8)
- BUS 241 - Financial Accounting

Courses required for majors and appropriate for beginning students:

- ECON 100 - Introduction to Economics (F8)
- BUS 241 - Financial Accounting and BUS 243 - Cost Accounting are required for Business majors (BUS 241 is a prerequisite for BUS 243). Because of the nature of the material, these business courses require daily preparation. Students may take this sequence during their first year. Majors should complete these courses no later than the spring of their sophomore year. Students may take BUS 241 and ECON 100 at the same time.

Required courses in other departments:

- MATH 115 Applied Calculus, MATH 116 Calculus with Business Applications or MATH 121 Integral Calculus. Required for Business and for Economics and Business majors. Students with adequate background in math may take MATH 115, 116 or 121 their first year.
- ECON 290 Statistics for Economics and Business. This may be taken during a student's first year but not recommended the first semester. Starting in fall 2019 this is the only statistics course allowed for the major in Business as well as the Interdisciplinary major in Business and Economics.

Recommended courses in other departments:

- INTD 240 – Effective Public Speaking
- PHIL 206 – Logic
- CS 141, 142 – Computer Science I and II

Latest time to begin a major and graduate on schedule:

- Beginning of sophomore year

AP credit: Yes for Math 115 or 121 (See AP Exam table for details.)

BUSINESS

Courses that close quickly:

- All lower level courses

Courses that must be taken in sequence:

- BUS 241 and 243
- BUS 341 and 342
- ECON 100, BUS 241, BUS 243 and either MATH 111 or ECON 290 are prerequisites or co-requisites for most upper-division courses. Note the specific provisions in the College Catalogue.

Courses with time-of-year limitations:

- Fall: BUS 345, 463, 472, 474, 481
- Spring: BUS 448, 466, 467, 473, 486

Courses that don't count toward a major:

- BUS 345, 448, 460, 461

Additional Notes:

- IMPORTANT NOTE - Students who think they might be interested in majoring in Business are highly encouraged to talk to a professor in the department before taking business courses. Proper sequencing of courses is very important in order to graduate on time.
- BUS 460 – Internship is recommended

CHEMISTRY

Degree offered: BS

Tracks: American Chemical Society certified degree and Drug Design

Total Credits Required for Major: 56

Minor: Yes

Courses appropriate for beginning students:

- CHEM 105 Topics in Chemistry (F7). Designed for non-science majors. Chemical principles studied through thematic topics.
- CHEM 120 Foundations of Chemistry (F7 when taken with 125 lab). A study of the basic concepts and principles of chemistry. Topics to be considered include stoichiometry, atomic and molecular structure, bonding, acids and bases, kinetics, thermodynamics and solutions. Appropriate for students majoring in the sciences. Co-requisite: Chemistry 125L.

Courses required for major/minor and appropriate for beginning students:

- CHEM 120 Foundations of Chemistry (F7). Co-requisite: Chemistry 125L (laboratory).
- CHEM 211 Organic Chemistry (F7). Appropriate for students interested in science but not sure of a major. Prerequisite: Chemistry 120.

Required courses in other departments:

- MATH 113 or 122 (F6) Pre and Differential Calculus or Calculus 2
- PHYS 109-110 Intro Physics for Life Sciences I & II, or PHYS 111 and 112 Intro Physics for Physical Sciences I & II, with lab (F6, F7)

Recommended courses in other departments:

- COMP 141 Computer Science I: Programming Fundamentals is not required but is very useful.

Latest time to begin a major and graduate on schedule:

- Sophomore Year

AP credit: Yes (See AP Exam table for details.)

- Students will not be able to use AP credit to satisfy CHEM 120.
- Students who score a 4 or 5 on the AP exam will receive 4 credits of CHEM 099. CHEM 099 does not count for the Chemistry major, but those 4 credits will count towards graduation.

Courses that close quickly:

- CHEM 105 Topics in Chemistry (F7)

CHEMISTRY

Courses that must be taken in sequence:

- 120 Foundations of Chemistry (F7), 211 Organic Chemistry I (F7)

Courses not to be taken concurrently:

- 120 Foundations and 211 Organic Chemistry

Courses with time-of-year limitations:

- NA

Courses that don't count toward a major:

- 105 Topics in Chemistry (F7)

Additional Notes:

- Chem 211 is often offered in the summer.
- Students planning on medical school should plan to take Chemistry 414 Biochemistry before taking the MCAT. In order to take 414 students need to take the prerequisites 120, 211, and 212. 240 is strongly recommended either before or concurrently with Biochemistry. These courses take *three to four semesters* to complete, so students should plan accordingly.
- All students wishing to take courses in Chemistry should enroll in Foundations of Chemistry, as it is a preparation for Organic Chemistry I in the second semester.
- Students who have a very strong background in the sciences and intend to major in Biology, Chemistry or Biochemistry and Molecular Biology may consider taking both Introductory Biology (BIOL 130/131L and 140/141L) and Foundations of Chemistry and Organic chemistry I (CHEM 120/125L and 211) one-year sequences in their first year. Otherwise, it is okay to take one or the other, depending on which major they are more inclined toward.

COMPUTER SCIENCE

Degree offered: BS

Tracks: NA

Total Credits Required for Major: 53

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- 141 CS I: Programming Fundamentals (F6)

Courses required for majors and appropriate for beginning students:

- 141 CS I: Programming Fundamentals (F6)

Required courses in other departments:

- NA

Recommended courses in other departments:

- NA

Latest time to begin a major and graduate on schedule:

- 141 must be taken no later than spring of the first year (and even waiting that long is not advised)

AP credit: Yes (See AP Exam table for details.)

- Students with AP credit should consult a member of the Math & Computer Science department.

Courses that close quickly:

- 141 CS I: Programming Fundamentals (F6)

Courses that must be taken in sequence:

- 141 before all others; 142 before 241

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- NA

Courses that don't count toward a major:

- NA

COMPUTER SCIENCE

Additional Notes:

- Students interested in majoring or minoring in computer science should take COMP 141 during their first semester.
- Students who already have a solid background in introductory programming should consult a computer science faculty member about the possibility of starting in COMP 142.

ECONOMICS (data per 2017-18 catalogue)

Degree offered: BA

Tracks: N/A

Total Credits Required for Major: 48

Interdisciplinary Majors:

- Economics/Business – 64 credits
- Economics and International Studies – 60-64 credits
- Mathematics and Economics – 60 credits
- Political Economy (an interdisciplinary program) – 48 credits

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- ECON 100 Intro to Economics (F2 some sections, F8)
- ECON 290 Statistical Analysis for Economics and Business (F6)

Courses required for majors and appropriate for beginning students:

- ECON 100 Intro to Economics (F2 some sections, F8)
- ECON 290 Statistical Analysis for Economics and Business (F6)

Required courses in other departments:

- MATH 115 Applied Calculus (F6) or MATH 121 (or higher) Calculus I (F6)

Recommended courses in other departments:

- MATH 121 Calculus I (F6)

Latest time to begin a major and graduate on schedule:

- Fall of Year 3

AP credit: Yes (See AP Exam table for details.)

- First-year students who have AP credit for BOTH micro and macro may register for Econ 201 or 202.

Courses that close quickly:

- All

Courses that must be taken in sequence:

- ECON 100 is a prerequisite for almost all upper-level classes

Courses not to be taken concurrently:

- NA

ECONOMICS

Courses with time-of-year limitations:

- See Catalogue

Courses that don't count toward a major:

- See Catalogue

Additional Notes:

- Students with 4 or higher on both the Micro and Macro AP test can receive AP credit for ECON 100 and should look into taking ECON 290, ECON 201 and/or 202.
- MATH 111 is NOT a substitute for ECON 290.
- Students interested in Graduate studies should take MATH 121, not MATH 115.
- First-year students interested in majoring in Economics should take ECON 100 during their first year

EDUCATIONAL STUDIES

Degree offered: BA

Tracks: Teaching and Learning; Community and Social Change; Policy and Reform

Total Credits Required for Major: 51 or 52 credits (depending on track and type of licensure; see Catalogue)

Minor: Yes, 24 credits (see Catalogue)

Courses appropriate for beginning students:

- EDUC 201 Foundations of Education.
- EDUC 220 Urban Education
- PSYC 222 Educational Psychology
- PSYC 229 Infant and Child Development(for students who plan to teach at the elementary level)
- PSYC Adolescent Psychology(for students who plan to teach at the secondary level)
- Students planning to major in Educational Studies should take this as soon as possible.

Courses required for majors and appropriate for beginning students:

- Foundations of Education EDUC 201. All upper-level Educational Studies courses require this course as a prerequisite.
- Urban Education EDUC 220
- Infant and Child Development PSY 229 (elementary candidates take this course; some sections are F11)
- Adolescence PSY 230 (secondary candidates take this course)
- Educational Psychology PSY 222
- Any of the quantitative courses (PSY 211, ECON 290, or MATH 111)
- Philosophy of Education PHIL 270

Required courses in other departments:

- Because of the interdisciplinary nature of the major, most Educational Studies courses are offered in other departments. Recommended courses vary depending on the student's career goals.

Recommended courses in other departments:

- This list is extensive and will vary according to track. Please see Catalogue.

Latest time to begin a major and graduate on schedule:

- Second semester of second year for Elementary Education
- First semester of third year for Secondary Education and other tracks

EDUCATIONAL STUDIES

AP credit: No

Courses that close quickly:

- Most Ed Studies courses fill quickly.
- EDUC 201 and EDUC 320 are typically the most in demand

Courses that must be taken in sequence:

- Foundations of Education 201 should be taken as early as possible.

Additional Notes

Students who want to be teachers should select the Teaching and Learning track. There is an application to the licensure program to be completed as soon as students have completed the qualifying PRAXIS exams. Students seeking secondary licensure should double major in the content area in which they plan to teach. Students seeking elementary licensure are not required to double major. Students who are considering a major in Educational Studies should schedule a meeting with either Professor Person or Professor Casey

ENGLISH

Degree offered: BA

Tracks: Literature and Literature & Creative Writing

Total Credits Required for Major: 44 credits

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- 190 Introductory Topics in Literature (F2i, F4). Open to first-year students and sophomores only.
- All 200-level English classes are open to first year students and carry (F4, F2i) credit. These classes are highly recommended for students who have earned AP or IB credits for FYWS 121 and are interested in honing their college-level writing skills early in their career at Rhodes.
- 285 is for prospective majors and should only be taken by those considering a major or minor in English.
- 151 First-Year Writing Seminar or 155 Daily Themes (to be completed in the first year if no AP credit was earned). (F2s) .

Courses required for majors and appropriate for beginning students:

- 285 English Seminar (F2i). Open to first-year students though typically taken during the sophomore year.

Required courses in other departments:

- NA

Recommended courses in other departments:

- Other humanities courses that complement a prospective major in English, e.g., literature courses taught in the Modern Languages and Literatures department, as well as courses in History, Greek and Roman Studies, Art, Music, Religion, Sociology, Anthropology, and the like.

Latest time to begin a major and graduate on schedule:

- Fall or spring semester of the sophomore year (depending on other credits earned).

AP credit: Yes (See AP Exam table for details.)

Courses that close quickly:

- 190 Introductory Topics in Literature (F2i, F4)
- 220 Introduction to Creative Writing
- 225 Southern Literature (F2i, F4)
- 200 level film courses
- 265 Special Topics courses (F2i, F4)

ENGLISH

Courses that must be taken in sequence:

- Majors should complete English 285 before enrolling in Literary Theory classes or 485 Senior Seminar. Students must complete ENG 190 or a 200-level literature course or have permission from the instructor before taking 300-level literature courses; 210 Introduction to Creative Writing before taking the 300-and 400-level workshops; and a 200-level film course before taking 300-level film courses.

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- Consult Catalogue, especially for 300-level courses.

Courses that don't count toward a major:

- NA

Additional Notes:

ENVIRONMENTAL SCIENCES

Degree offered: BS

Tracks: NA

Total Credits Required for Major: 54-56

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- ANSO 201 Human Evolution - FALL
- ANSO 271 Ecological Anthropology - FALL
- BIOL 120 Introduction to Environmental Science (F7) - FALL
- CHEM 120 Foundations of Chemistry (F7)-FALL and limited spots in SPRING
- ECON 100 Introduction to Economics (F8)-FALL AND SPRING
- ENVS 111 Physical Geology (F7) – FALL
- ENVS 150 Environment and Society-FALL
- HIST 105 Diseases and Epidemics (F2i, F3) – FALL
- HIST 105 Human Reproduction (F2i, F3) – FALL
- HIST 207 Global Environmental History (F3, F11)
- HUM 201 Search for Values, Profs Bakewell's, Jackson's or Loth's sections (F1) - FALL
- INTS 220 Global Ecopolitics (F2i, F8) - SPRING
- MATH 111 Introduction to Applied Statistics (F6)-FALL AND SPRING
- MATH 115 Applied Calculus (F6) - FALL and SPRING
- MATH 214 Math Modeling with Bio Applications (F6)-FALL AND SPRING
- PHIL 230 Environmental Philosophy - SPRING
- URBN 201 Introduction to Urban Studies (F8, F11)-FALL AND SPRING

Courses required for majors and appropriate for beginning students:

- ENVS 150 Environment and Society - No prerequisites. Designed for Environmental Studies and Environmental Science majors and minors, but also suitable for non-minors, this course covers a variety of contemporary environmental issues
- INTD 225 Geographic Information System (F6) – FALL

The following courses fulfill requirements, but are not in themselves required

- BIOL 120 Environmental Science (F7) - No prerequisites. This course focuses on a scientific understanding of the environment as well as on people's impact upon the natural world. This lecture course has accompanying laboratory that must be taken with the class. This course will not satisfy a course requirement for the major in Biology. FALL

ENVIRONMENTAL SCIENCES

- Chemistry 120 Foundations of Chemistry I (F7) - No prerequisites. A study of the basic concepts and principles of chemistry. This lecture course has accompanying laboratory (Chemistry 125) that must be taken with the class.

Required courses in other departments:

- NA – since Environmental Sciences is a Program, and not a department, almost all of its required courses are in other departments.

Latest time to begin a major and graduate on schedule:

- Sophomore Year

AP credit: Yes (See AP Exam table for details.)

Courses that close quickly:

- BIOL 120 Environmental Science (F7) - FALL
- ENVS 111 Physical Geology (F7) - FALL
- ENVS 150 Environment and Society-FALL
- HIST 105 Disease & Epidemics (F2i, F3) - FALL
- INTD 225: Geographic Information Systems (GIS)-FALL AND SPRING

Courses with time-of-year limitations:

- Introductory science courses (BIOL 130/131, ENVS 111, BIOL 120, CHEM 120) are typically only taught during the fall semester. There are sometimes limited opportunities to take CHEM 120 in the spring.

Additional Notes:

Although Introductory Biology I and II (BIOL 130/131 – FALL and BIOL 140/141 – Spring) are not required courses for ENVS majors, many of the upper-level Biology courses that ENVS majors may want to take have both BIOL 130/131 and BIOL 140/141 as prerequisites. If students have an interest in the biological aspects of the environment, it is strongly suggested that students take BIOL 130/131 and BIOL 140/141 during their first or second year at Rhodes.

If a student wants to pursue an Environmental Science (BS) major, it is strongly encouraged that the student takes BIOL 120 and/or CHEM 120/125 and/or BIOL 130/131 and BIOL 140/141 during the first two years. Ideally, at least one of these science courses would be completed during the first semester at Rhodes.

Students considering an Environmental Science major or minor should take ENVS 150 as early as possible. It is also strongly suggested that students take INTD 225 Geographic Information Systems as early as possible, especially if the student is interested in pursuing certain internship and research opportunities.

ENVIRONMENTAL STUDIES

Degree offered: BA

Tracks: NA

Total Credits Required for Major: 52

Minor: Yes

Courses appropriate for beginning students:

- ANSO 201 Human Evolution - FALL
- ANSO 271 Ecological Anthropology - FALL
- BIOL 120 Introduction to Environmental Science (F7) - FALL
- CHEM 120 Foundations of Chemistry (F7)-FALL and limited spots in SPRING
- ECON 100 Introduction to Economics (F8)-FALL and SPRING
- ENVS 111 Physical Geology (F7) – FALL
- ENVS 150 Environment and Society-FALL
- HIST 105 Diseases and Epidemics (F2i, F3) – FALL
- HIST 105 Human Reproduction (F2i, F3) – FALL
- HIST 207 Global Environmental History (F3, F11) - SPRING
- HUM 201 Search for Values (Profs Bakewell's, Jackson's or Loth's sections) (F1) - FALL
- INTS 220 Global Ecopolitics (F2i, F8) - SPRING
- MATH 111 Introduction to Applied Statistics (F6)
- MATH 115 Applied Calculus (F6)
- MATH 214 Mathematical Modeling with Bio Applications (F6) – FALL and SPRING
- PHIL 230 Environmental Philosophy - SPRING
- URBN 201 Introduction to Urban Studies (F8, F11)

Courses required for majors and appropriate for beginning students:

- ECON 100 (F8, F2 some sections). No prerequisites. A survey of economic analysis and institutions combining economic theory with a discussion of applications to the U. S. economic system for majors and non-majors. The course will include an introduction to both microeconomics and macroeconomics.
- ENVS 150 Environment and Society - No prerequisites. Designed for Environmental Studies and Environmental Science majors and minors, but also suitable for non-minors, this course covers a variety of contemporary environmental issues.
- INTD 225 Geographic Information System (F6) - FALL

ENVIRONMENTAL STUDIES

The following courses fulfill requirements, but are not in themselves required

- BIOL 120 Environmental Science (F7) – No prerequisites. This course focuses on a scientific understanding of the environment as well as on people's impact upon the natural world. This lecture course has accompanying laboratory that must be taken with the class. This course will not satisfy a course requirement for the major in Biology. FALL
- CHEM 120 Foundations of Chemistry I (F7) - No prerequisites. A study of the basic concepts and principles of chemistry. This lecture course has accompanying laboratory (CHEM 125) that must be taken with the class. FALL and SPRING (but limited opportunities in Spring)

Latest time to begin a major and graduate on schedule:

- Sophomore year

AP credit: Yes (See AP Exam table for details)

Courses that close quickly:

- BIOL 120: Environmental Science (F7) – FALL
- ENVS 111 Physical Geology (F7) - FALL
- ENVS 150: Environment and Society
- HIST 105: Disease & Epidemics (F2i, F3) – FALL
- INTD 225: Geographic Information Systems(GIS)-FALL and SPRING

Courses with time-of-year limitations:

- Introductory science courses (BIOL 130/131, ENVS 111, BIOL 120, CHEM 120) are typically only taught during the fall semester. There are sometimes opportunities to take CHEM 120 in the spring semester.

Additional Notes:

Students considering an Environmental Studies major or minor should take ENVS 150 as early as possible. It is also strongly suggested that students take INTD 225 Geographic Information Systems as early as possible, especially if the student is interested in pursuing certain internship and research opportunities.

FILM & MEDIA STUDIES

Degree offered: None

Minor: Yes (See Catalogue for requirements.)

Total Credits Required for Minor: 20

Elective courses appropriate for beginning students:

- ART 116-Animation (F5)
- ENG 245: Documentary Cinema(F5)
- HIST 105 Latin American History through Film(F2i, F3)

Courses required for the minor and appropriate for beginning students:

- ENG 202 (F5)

Required courses in other departments:

- NA

Recommended courses in other departments:

- NA

AP credit: No

Courses that close quickly:

- Most 100- and 200-level courses close quickly

Courses that must be taken in sequence:

- NA

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- NA

Additional Notes:

GENDER AND SEXUALITY STUDIES

Degree offered: None

Minor: Yes (See Catalogue for requirements.)

Total Credits Required for Minor: 24

Elective courses appropriate for beginning students:

- GSS 200
- Any course listed by its home department as “appropriate for beginning students” that is also a GSS elective. (A list of approved GSS electives is compiled every semester and distributed to faculty and students. This information is also available in the online schedule of classes.

Courses required for the minor and appropriate for beginning students:

- GSST 200 Introduction to Gender and Sexuality Studies. This course should be taken in the first or second year.

Required courses in other departments:

- NA

Recommended courses in other departments:

- ANSO 231 Gender and Society

AP credit: No

Courses that close quickly:

Courses that must be taken in sequence:

- It is recommended that GSST 200 is taken during the first or second year and that GSST 400 is taken during the 3rd or 4th year.

Courses not to be taken concurrently:

- GSST 200 and GSST 400

Courses with time-of-year limitations:

- GSST 400 (Spring)

Additional Notes:

- GSS 300 (Queer Theory) is recommended for the minor.
- 2 courses in the GSS minor may also be counted toward the student's major. 1 course in the GSS minor may also be counted toward another minor.

GREEK AND ROMAN STUDIES

Degree offered: BA

Tracks: Classical Languages (Greek and/or Latin); Classical Studies;
Material Culture

Total Credits Required for Major: 46

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- Humanities 101 - 102 The Search for Values in the Light of Western History and Religion (F1)
- Elementary Latin 101(offered only in the Spring)
- Elementary Greek 101(offered only in the Fall)
- GRRO 285 Classical Myth in Modern Film(F4)

Courses required for majors and appropriate for beginning students:

- GRS 275 Introduction to Classical Studies(to be offered Spring 2021)

Required courses in other departments:

- GRS accepts numerous courses in other departments; nearly any course that focuses on the ancient Mediterranean, no matter what the department, counts toward a major or minor.

Recommended courses in other departments:

- ARCE 220 Archaeological Methods
- ART 218 Greek Art and Architecture(F5)
- HIST 105 Egypt in the Age of Cleopatra(F2 and F3)
- HIST 222 The Fall of the Roman Republic(F3)
- HUM 101-102 The Search for Values in the Light of Western History and Religion (F1)

Latest time to begin a major and graduate on schedule:

- With no prior experience in high school, students must begin the Greek or Latin sequence by fall of the junior year. Some tracks of the major require an even earlier start to language study.

AP credit: Yes (See AP Exam table for details.)

Courses that must be taken in sequence:

- Language sequences in Latin and Greek, although it is possible to start at a higher level with previous study in high school.

Courses with time-of-year limitations:

GREEK AND ROMAN STUDIES

- GRS 275 Introduction to Classical Studies is offered only every other year in the spring. This is a matter of special attention for students who plan to study abroad in the spring of the junior year.

Additional Notes:

- GRS now offers courses in biblical Hebrew, although these at present do not count toward the major. Students may fulfill the F10 second language requirement by successfully completing Hebrew 201.
- GRS strongly recommends the Search sequence for students interested in ancient Greece and Rome. We do offer a few courses for the Life program as well, but many of our courses will be building upon the common readings from Search.
- Students can fulfill the F10 language proficiency requirement by passing an exam offered during August orientation. Otherwise, students should register for the appropriate level of Latin or Greek based on their preparation in high school.

HISTORY

Degree offered: BA

Tracks: NA

Total Credits Required for Major: 44

Interdisciplinary Major: (See Catalogue for requirements)

- History and International Studies – 48-52 credits

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- 105 Introductory Seminars in History (F2i, F3). These seminars on specific topics are primarily for first-year students and sophomores, but are open to all students. The courses are writing intensive and fulfill one of the “written communication” requirements (F2i), as well as the “historical forces” (F3) requirement. No prerequisites are required.
- Any course at the 200-level (see Catalogue). The Department’s 200-level courses are introductory surveys that require no special background. All 200-level History courses are suitable for any student, including those in their first- or second-year. All 200-level History courses count towards a major (and minor) in History, and so are also suitable for students considering a major (or minor) in History. There are no prerequisites for 200-level courses. (F3, some F5, F8, F9)

Courses required for majors and appropriate for beginning students:

- Any 200-level course (F3, some F5, F8, F9)
- 300 The Historian’s Craft (F2i). This course is designed for majors or those seriously considering majoring in History only. Ideally it should be taken sophomore year or no later than fall of the junior year, although highly-motivated first-year students who intend to major in History may also enroll after consulting with the instructor.

Required courses in other departments:

- NA

Recommended courses in other departments:

- NA

Latest time to begin a major and graduate on schedule:

- Fall semester junior year

AP credit: Yes (See AP Exam table for details.)

- Credits earned through AP or IB do not fulfill the requirements of the History major or minor but do count toward the 128 credits required for graduation. Students with AP credit who are

HISTORY

considering a major in history should consider taking History 105 or any 200-level course in History.

Courses that close quickly:

- 105 Introductory Seminars in History (F2i, F3)
- 207 Global Environmental History (F3, F11)
- 209 Politics of Natural Disasters (F3, F8)
- 212 Medieval Europe (F3)
- 226 Musical Paris (F3, F5)
- 233 The U.S. in the 20th Century (F3, F8)
- 242 African-American History (F3, F9)
- 243 The Civil Rights Movement (F3)
- 248 History of Memphis (F3)
- 261 Colonial Latin America (F3, F9)
- 262 Contemporary Latin America (F3, F9)
- 275 Making of the Modern Middle East (F3, F9)
- 277 Modern Islamic Thought (F1, F3)

Courses that must be taken in sequence:

- NA

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- NA

Courses that don't count toward a major:

- No more than two 105 courses will count toward the major.

Additional Notes:

INTERNATIONAL STUDIES

Degree offered: BA

Tracks: NA

Total Credits Required for Major: 52

Interdisciplinary Majors: Related bridge majors include

- Economics-International Studies: 60 credits
- History-International Studies: 48-52 credits
- Political Science-International Studies: 52 credits
- Russian Studies-International Studies: 60 credits

Minor: Yes (See Catalogue for requirements)

Courses appropriate for beginning students:

- 110 Introduction to International Relations (F3, F8). A survey of international relations theories and historical cases.
- 120 Introduction to Comparative Politics (F8). An introduction to the study of domestic politics and governments around the world.
- The Department also offers two one-credit, evening courses appropriate for majors and non-majors.
 - 133 Model United Nations. A simulation of UN proceedings enabling students to debate international issues.
 - 235 Great Decisions in Foreign Policy. Course features rotating lectures by departmental faculty on timely topics in politics and foreign policy.
- Note: the above courses do not have to be taken sequentially.

Courses required for majors and appropriate for beginning students:

- 110 Introduction to International Relations (F3, F8)
- 120 Introduction to Comparative Politics (F8)

Required courses in other departments:

- ECON 100 Intro to Economics (F8)
- POLS 151 U.S. Politics (F2, F8) or 214 Modern Ideologies
- Language - Course work through either 202 or 209 level is required; course work at the 300 level is strongly recommended.

Recommended courses in other departments:

- NA

Latest time to begin a major and graduate on schedule:

- Students should consult with a faculty member in the Department on an individual basis.

INTERNATIONAL STUDIES

AP credit: No

Courses that close quickly:

- 110 Introduction to International Studies (F3, F8)
- 120 Introduction to Comparative Politics (F8)
- 300 International Relations Theory

Courses that should be taken in sequence:

Courses not to be taken concurrently:

- It is recommended that students complete 270 and 300 before enrolling in 485.

Additional Notes:

- Since majors must complete a foreign language study through the 202 level or pass the equivalent proficiency exam, early work in a foreign language is recommended.

LATIN AMERICAN & LATINX STUDIES

Degree offered: BA

Tracks: NA

Total Credits Required for Major: 42-44

Minor: Yes (See Catalogue for requirements. Updates in progress. Please consult Prof. Elizabeth Pettinaroli)

Courses appropriate for beginning students:

- LTNS 200 Intro to Latin American & Latinx Studies (F3 some sections, F9)
- MUS 119: Music of Latin America (F5, F9)
- ECON 100 Introduction to Economics (F2 some sections, F8), Prof. Bruno Badia
- EDU 201, Foundations of Education(F8)
- EDU 265. Education and Immigration, (F9, F11)
- HIS 105: Latin American History Through Film(F2;F3)
- HIST 261 Colonial Latin America (F3, F9)
- LTNS American and LatinX Studies, 306, Practicum in the Community
- PSYC 224, Psychological Disorders
- RELS 250, American Sacred Space(F1)
- Spanish (level indicated by placement)
- Spanish 302: Culture and Composition (F2)
- Spanish 306: Introduction to Latin American Cultures and Literatures (F4)
- Spanish 365, Colonization and De-Colonization(F9 in process)

Courses required for majors and appropriate for beginning students:

- LTNS 200 Intro to Latin American and Latinx Studies (F3 some sections, F9)

Required courses in other departments:

- NA

Recommended courses in other departments:

- Interdisciplinary majors draw from various departments

Latest time to begin a major and graduate on schedule:

- Often students who have fulfilled requirements in one or more of the participating departments can complete remaining major requirements even if they declare a LAS major rather late. Latest time to declare is the major is Spring of Junior year.

AP credit: No

LATIN AMERICAN STUDIES

Courses that close quickly:

- LTNS 200 Intro to Latin American Studies (F3 some sections, F9)
- MUS 119, Music of Latin American(F5; F9)
- HIST 262 Contemporary Latin America (F3, F9)
- Intermediate (202-level) and lower advanced (301-306) Spanish courses.

Courses that must be taken in sequence:

- NA

Courses not to be taken concurrently:

- None

Courses with time-of-year limitations:

- None

Courses that don't count toward a major:

- NA

Additional Notes:

MATHEMATICS

Degree offered: BS

Tracks: NA

Total Credits Required for Major: 49

Interdisciplinary Majors: (See Catalogue for requirements)

- Biomathematics
- Mathematics and Economics

Minor: Mathematics Minor, Statistics Minor (See Catalogue for requirements.)

Courses appropriate for beginning students:

- 107 Linear Methods (F6)
- 108 Cryptology (F6)
- 111 Applied Statistics for Liberal Arts (F6)
- 112 Precalculus and Differential Calculus (only for students that have not taken any calculus; students should also enroll in MATH 113)
- 115 Applied Calculus (F6)
- 116 Calculus with Business Applications (F6)
- 122 Integral Calculus (with any previous calculus class, AP credit or equivalent) (F6)
- 201 Transition to Advanced Mathematics (with AP credit or equivalent) (F6)
- 214 Discrete Mathematical Modeling with Biological Applications (F6)
- 211 Applied Statistics for the Formal and Natural Sciences (F6)(Required for Statistics minor unless students plan to take ECON 290 or PSYC 211)
- 223 Multivariable Calculus (with AP credit or equivalent) (F6)
- 251 Differential Equations (with AP credit or equivalent) (F6)

Courses required for majors and appropriate for beginning students:

- 122 Integral Calculus (with AP credit or equivalent) (F6)
- 201 Transition to Advanced Mathematics (with AP credit or equivalent) (F6)
- 214 Discrete Mathematical Modeling with Biological Applications (F6) (required for Biomath)
- 223 Multivariable Calculus (with AP credit or equivalent) (F6)
- 251 Differential Equations (with AP credit or equivalent) (F6) (required for Biomath)

Required courses in other departments:

- NA

MATHEMATICS

Recommended courses in other departments:

- NA

Latest time to begin a major and graduate on schedule:

- An appropriate calculus course should be taken by spring of the first year at the latest

AP credit: Yes (See AP Exam table for details.)

- Students with AP credit (or the equivalent) and interest in a possible major in Mathematics should consult a member of the department.

Courses that close quickly:

- 111 Applied Statistics for Liberal Arts(F6)
- 115 Applied Calculus (F6)
- 116 Calculus with Business Applications (F6)

Courses that must be taken in sequence:

- NA; for upper-level courses, see individual listings in Catalogue

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- Fall: 201, 214
- Spring: 108

Courses that don't count toward a major:

- 107 Linear Methods (F6) 108 Cryptology (F6)
- 111 Applied Statistics for Liberal Arts (F6)
- 115 Applied Calculus (F6)
- 116 Calculus with Business Applications (F6)

Additional Notes:

- Prospective math majors should complete at least 122 Integral Calculus by the end of their first year.
- Students who have any prior experience with Calculus should begin with 122 Integral Calculus or 214 Discrete Mathematical Modeling with Biological Applications. Students should NOT take MATH 112 if they plan to take only one semester of calculus or if they have already seen derivatives in a previous class. Students who have taken calculus in high school may not earn credit for MATH 112 without permission from the instructor.

MATHEMATICS

- Students who have AP credit for 122 Integral Calculus (a 4 or 5 on the BC exam) should begin with either 223 Multivariable Calculus, 201 Transition to Advanced Mathematics, or 251 Differential Equations. A student should consult a faculty member of the department for assistance in deciding which of these courses would be most appropriate.
- Students interested in biomathematics or applied mathematics should consider taking 214.
- Students interested in the Statistics minor should take 211 unless they plan to take ECON 290 or PSYC 211.

For further questions on calculus placement, consult a mathematics faculty member.

MODERN LANGUAGES AND LITERATURES

Degree offered: BA

Majors: Chinese Studies, French, German Studies, Russian Studies, and Spanish

Total Credits Required for Major: 36 - 41

Interdisciplinary Major (See Catalogue for requirements)

- Russian Studies and International Studies

Minors: Chinese Studies, French, German Studies, Russian Studies, and Spanish

For information on specific language programs, please contact the following Program Directors:

Chinese – Dr. Han Li (hanl@rhodes.edu)

French – Dr. Laura Loth (lothl@rhodes.edu)

German – Dr. Elizabeth Bridges (bridgese@rhodes.edu)

Russian – Dr. Sasha Kostina (kostina@rhodes.edu)

Spanish – Dr. Kathleen Doyle (doyle@rhodes.edu) until July 1, subsequently Dr. Eric Henager(henager@rhodes.edu)

Courses appropriate for beginning students:

- Students planning to fulfill Rhodes' foreign language degree requirement in a language not previously studied should register for the 101 course in that language.
- All first-year students should begin language study in the first semester if at all possible.
- Students with two or more years of a language in high school (or two or more block-schedule courses) MAY NOT take 101 courses in that language for credit.

Courses required for majors and appropriate for beginning students:

- Required courses for majors vary according to the target language studied.

Required courses in other departments:

- Russian Studies and Chinese Studies majors and minors require courses in other departments. Please consult the Catalogue.

Recommended courses in other departments:

- Individual language sections encourage students to pursue a variety of different courses in the Humanities, Social Sciences, Natural Sciences & Fine Arts.

Latest time to begin a major and graduate on schedule:

MODERN LANGUAGES AND LITERATURES

- In most cases, 202 should be completed by the end of the sophomore year.

AP credit: Yes (See AP Policy on pages 4-5.)

Courses that close quickly:

- 101, 102, 201, 202

Courses that must be taken in sequence:

- The sequencing of courses varies depending on the language section, but normally 101, 102, 201, 202, 301 must be taken prior to upper-level courses taught in the target language.

Courses not to be taken concurrently:

- Sequenced courses as well as others with pre-requisites that have not yet been completed. Please see the Catalogue for details.

Courses with time-of-year limitations:

- Varies according to the language section

Courses that don't count toward a major:

- Chinese, French, Russian and Spanish 101, 102, 201, and in Chinese and Spanish, 202. The German program has recently redesigned its major and minor requirements; please check the most recent catalogue for details. Please see the major requirements under the appropriate language section description in the Catalogue for additional courses that do not count toward the major.

Additional Notes:

Students should look in MLL offerings for regular opportunities to study topics in literature and culture in English translation. These courses most often do not have prerequisites, and usually earn Foundation credits

In addition to courses offered under Chinese, French, German, Russian, and Spanish headings, MLL offers courses in linguistics (MLL 280), language acquisition pedagogy (MLL 240), internships (MLL 460), and a number of opportunities under the MLL Fellowships heading.

Rhodes' foreign language proficiency requirement may be fulfilled in any one of the following ways:

MODERN LANGUAGES AND LITERATURES

- by successfully completing at Rhodes any appropriate four-credit language course numbered 201 or higher.
- by demonstrating proficiency through placement into a language course at a level above 201 and approval by the appropriate language faculty, following additional proficiency testing. Students who take 201 (or higher) or the equivalent at another institution can earn transfer credit, but must still demonstrate proficiency (see above) in the specific language before the degree requirement is satisfied. This pertains to languages that are taught at Rhodes.
- by achieving proficiency with Advanced Placement credit as defined on pages 4-5 (please note that additional proficiency testing is required before AP/IB credits are counted).

MUSIC

Degree offered: BA

Tracks: NA

Total Credits Required for Major: 56

Interdisciplinary Major: Music and Psychology

Minor: Yes (See Catalogue for requirements.)

**** Students interested in the major or minor should take the Music Theory Placement Exam. Follow the links on the “New Student” page or contact the Theory Coordinator, Dr. Courtenay Harter (harterc@rhodes.edu).**

Courses appropriate for beginning students:

- Any 100-level course; Fall 2019 includes:
101(F5), 103(F5), 118(F5 & F9), 119(F5 & F9), 120(F3 & F5), 130(F5 & F9), 140(F5)
- Courses without prerequisites include: 222(F5), 323
- Applied lessons and/or ensembles*(F5 with 4 semesters)
- 294 Understanding Musicianship(F5) may be taken with appropriate score on the placement test. **

Courses required for majors and appropriate for beginning students:

- 204 Understanding Musicianship (F5)**

Required courses in other departments:

- NA

Recommended courses in other departments:

- NA

Latest time to begin a major and graduate on schedule:

- 204 Understanding Musicianship should be started no later than the sophomore year.

AP credit: Yes (See AP Exam table for details.)

Courses that must be taken in sequence: (See prerequisites in Catalogue.)

- 204 is a prerequisite for more advanced courses in Music Theory- see Catalogue for a complete listing. Note: 227, 228 do not need to be taken in sequence; and are NOT recommended for first-year students)

MUSIC

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- Sometimes offered only in Fall: 204, 227
- Sometimes offered only in Spring: 103, 228

Courses that close quickly:

- 101, 117, 118, 119, 140, 222

***Music Fees:**

There are fees connected to Applied Music lessons which are waived if a student has received a Music Talent Award and are registered in an appropriate large ensemble, or once a music major or minor have been *officially declared* (please see the College Catalogue for complete information on fees).

NEUROSCIENCE

Degree offered: BS

Tracks: NA

Total Credits Required for Major: 54-58

Minor: No

Courses appropriate for beginning students:

- See below

Courses required for majors and appropriate for beginning students:

- BIOL 130, 131L Biology I (F7). **Recommended** for the Fall semester, 1st year.
- BIOL 140, 141L Biology II. **Recommended** for the Spring semester, 1st year.
- PSYC 150 Foundational Issues of Psychology (F8). Recommended for the Fall or Spring semester, 1st year.
- CHEM 120, 120L Foundations of Chemistry (F7). Recommended for second year.
- PHIL 330 Philosophy & Neuroscience (F1) or PHIL 340 Philosophy & Cognitive Science (F1 pending). Recommended for second year. These are not required for all majors, but are options within a list of breadth courses, from which 2 courses are required.
- PSYC 211 or MATH 211 Statistics. Recommended for second year, or even first year if students have room in their schedules.

If students take PSYC 150 in Fall semester, they can take NEUR 270 in Spring semester. Otherwise, we **strongly recommend** that students take NEUR 270 in their second year, preferably in the Fall semester. It is also advisable to take PSYC 211 or MATH 211 in their second year.

Students can also start taking their Neuroscience depth courses (BIOL 375/376, PSYC 344/345) in their second year after having completed the introductory course requirements. NEUR 270 is not a prerequisite to these courses but is helpful.

Required courses in other departments:

- See above

Recommended courses in other departments:

- See above

NEUROSCIENCE

Latest time to begin a major and graduate on schedule:

- Sophomore year because of the sequential nature of the major and competition for seats in the Biology and Psychology courses with their majors. Therefore, students should have completed PSYC 150, BIOL 140+Lab and/or CHEM 120, and NEUR 270 by the spring semester of their sophomore year.
- If students have already taken the introductory Biology, Chemistry, and Psychology courses, they can still take NEUR270 in Fall of their junior year and graduate on time, although this is not recommended.

AP credit: Yes (See AP Exam table for details.)

Courses that close quickly:

- There is a lot of demand for upper-level depth courses with labs (BIOL 375/376, PSYC 34/345). NEUR 270 usually also fills quickly.

Courses that must be taken in sequence:

- NEUR 270 and the depth classes (BIOL 375/376, PSYC 34/345) requires successful completion of either BIOL 140 + 141 or PSYC 150 as specified.

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- NA

Courses that don't count toward a major:

- BIOL 105, 200, 201, 202, 206, 209, 212, 214, 240, 250, 252-254, 301, 315, 330, 350, 360, 380, 460
- PSYC 105, 222, 225, 230, 309, 311, 323, 338, 350-352, 399, 460

Additional Notes:

- In their first year, prospective Neuroscience majors should try to take both BIO 130/131L and 140/140L and PSYC 150. This will provide the most flexibility in their 4 year planning.
- We also recommend that prospective majors take both the introductory Biology and the introductory Psychology courses before taking NEUR 270. Students intending on majoring are strongly encouraged to have completed NEUR 270 within their first two years.

PHILOSOPHY

Degree offered: BA

Tracks: NA

Total Credits Required for Major: 44

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- 101 Introductory Seminar in Philosophy (F2). This writing-intensive course, intended for first- and second-year students, provides an in-depth exploration of philosophical approaches and ideas in the context of a specific topic in philosophy. Possible topics include the philosophy of sex, death, film, media, and the meaning of life.
- 201 Ancient Philosophy (F1). An examination of Ancient Philosophies, such as those of the Presocratics, Plato, Aristotle, Epicureans and Stoics. Issues addressed include the human good, the relation of the human to the cosmos, the nature and role of reason, and the relation between reason and pleasure.
- 203 Early Modern Philosophy (F1). An examination of major representatives of Early Modern Philosophy, focusing on the works of Descartes, Hume, and Kant. Major themes are their epistemological, metaphysical, and ethical theories. Issues to be considered include the nature and role of rationality, the relation of the sensuous and the rational, the exercise of freedom, and the existence of God.
- 206 Logic (F6). An examination of argumentation, with emphasis on identifying, analyzing, and evaluating arguments. Issues to be considered include categorical, propositional, and predicate logic.
- 220 Social and Political Philosophy (F2, F8). An examination of significant themes and questions related to the constitution and maintenance of social and political relations, addressed through a survey of major philosophical figures.
- 240 Philosophy of Religion (F1). An exploration of central problems in contemporary philosophy of religion, such as the arguments for and against the existence of God, the problem of evil, the meaningfulness of theological language, and the relationship of faith and reason.
- 250 Topics (Typically F1, depending on the topic). Though the specific topic studied varies, this course is suitable for all students.

PHILOSOPHY

- 289 Philosophy of Language (F2i). In this introductory course students examine philosophical theories of the nature of linguistic meaning, reference, truth, the relationship between language and our speech acts, and the role language plays in our thought.

Courses required for majors and appropriate for beginning students:

- 201 Ancient Philosophy (F1)
- 203 Early Modern Philosophy (F1)
- 206 Logic (F6)
- 220 Social and Political Philosophy

Required or recommended courses in other departments:

- NA

Latest time to begin a major and graduate on schedule:

- Fall semester of Junior year

AP credit: No

Courses that close quickly:

- 201 Ancient Philosophy (F1)
- 203 Early Modern Philosophy (F1)
- 206 Logic (F6)
- 220 Social and Political Philosophy

Courses that must be taken in sequence:

- None, though we recommend taking Logic early, and courses in the History of Philosophy sequence should be taken in chronological order (hence, Philosophy 201 then 203) when possible. Additionally, we strongly encourage students to take Philosophy 201 and 203 prior to the beginning of the Junior year, as these courses are foundational for upper level courses.

Courses with time-of-year limitations:

- NA

Courses that don't count toward a major:

- NA

Additional Notes:

- Philosophy courses focus on helping students develop their critical reasoning skills, which is an essential tool for success at College.

PHYSICS

Degree offered: BS

Tracks:

Total Credits Required for Major: 51

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- 101 Astronomy (F7). Designed for non-science majors. Lecture and required laboratory must be taken together.
- 107 Physics of Sound and Music (F7). Designed for non-science majors. Lecture and required laboratory must be taken together.
- 109-110 Introductory Physics for the Life Sciences I and II (F7). Lecture and required laboratory (Lab 113-114).
- 111-112 Introductory Physics for the Physical Sciences I and II (F6, F7). Lecture and required laboratory (Lab 113-114).

Courses required for majors and appropriate for beginning students:

- 111-112 Introductory Physics for the Physical Sciences I and II (F6, F7). Appropriate for science majors. Must be taken in sequence. Laboratory (113-114) is required.

Required courses in other departments:

- Mathematics 122 Integral Calculus (F6)
- Mathematics 223 Multivariable Calculus (F6)

Recommended courses in other departments:

- Computer Science 141 (F6)
- Mathematics 251, 261 (F6)
- Chemistry 120 and required laboratory (125) (F7)

Latest time to begin a major and graduate on schedule:

- Fall semester of sophomore year

AP credit: Yes (See AP Exam table for details.)

Courses that close quickly:

- 101 Astronomy (F7)
- 107 Physics of Sound and Music (F7)

Courses that must be taken in sequence:

- 109-110 Introductory Physics for the Life Sciences I and II (F7)
- 111-112 Introductory Physics for the Physical Sciences I and II (F6, F7)

PHYSICS

Courses not to be taken concurrently:

- See course prerequisites in College Catalogue.

Courses with time-of-year limitations:

- All courses

Courses that don't count toward a major:

- 101 Astronomy (F7)
- 105 Topics in Physics (F7)
- 107 Physics of Sound and Music (F7)

Additional Notes:

- The appropriate lab for PHYS 109 and 111 is PHYS 113. Likewise, the appropriate lab for PHYS 110 and 112 is 114.
- For potential physics majors, the first course is Physics 111 (and lab 113). This course is calculus-based, thus a background in differential calculus or concurrent enrollment in Math 112 is necessary for this course.
- For pre-health students not majoring in physics, the first course is PHYS 109 (and Lab 113). This course is algebra-based and has no co-requisites. Knowledge of algebra and trigonometry is expected.
- PHYS 111 is NEVER closed to first-year students. Contact the department if a first-year student has difficulty enrolling in Physics 111.
- For students interested in the dual/degree engineering programs, contact Prof. Viano (viano@rhodes.edu x3912) for advice as early as possible.
 - PHYS 111-112/and labs 113-114 is required for all dual degree engineering programs and is usually taken in the first year.
 - MATH 112 (if necessary), 121, 122, 223, 251 are required for all dual degree programs.

POLITICAL ECONOMY

Degree offered: BA

Tracks: Global, Historical, Philosophical, or Policy

Total Credits Required for Major: 48

Minor: No

Courses appropriate for beginning students:

- ECON 100, POLS 110

Courses required for majors and appropriate for beginning students:

- ECON 100, POLS 110

Required courses in other departments:

- ECON 100 and 323
- ECON 201 or 202
- INTL 311
- POLS 110, 205, 218, and 314

Recommended courses in other departments:

- NA

Latest time to begin a major and graduate on schedule:

- NA

AP credit: Yes (See AP Exam table for details.)

Courses that close quickly:

- NA

Courses that must be taken in sequence:

- ECON 100 is a pre-requisite for all other ECON courses in the major.
- POLS 110 is a pre-requisite for many other PE major courses in the POLS department.

Courses with time-of-year limitations:

- NA

Courses that don't count toward a major:

- NA

Additional Notes:

- Students interested in Political Economy are encouraged to discuss their interests with one of the P.E. Program faculty members

POLITICAL SCIENCE

Degree offered: BA

Tracks: NA

Total Credits Required for Major: 48

Interdisciplinary Major (See Catalogue for requirements)

- Political Science & International Studies

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- 151 United States Politics (F2i some sections, F8). U.S. Politics is an intensive introduction examining the foundation and purposes of American government in the United States. **This course is a requirement for most upper-division coursework in political science.**
- 110 Political Questions (F2i, F8). Political Questions examines the perplexing moral and practical questions inherent to political life and ordinary public policies. All sections of 110 will be small (18-20) and discussion intensive.

Courses required for majors and appropriate for beginning students:

- 151 United States Politics (F2i some sections, F8)
- After POLS 151 is completed, we recommend taking 200 level courses that sound interesting to the student. After the student has earned some additional 200 level credits in areas of interest, POLS 270 is appropriate for sophomores in their second semester or juniors to provide them with the methodological foundations to understand approaches to answering questions from a range of disciplinary subfields. Ideally this course would be taken by the fall of the junior year, but definitely by the end of the junior year.

Required courses in other departments:

- International Studies 110 or 120 (both F8)

Recommended courses in other departments:

- The Search Program (HUM 101, 102, 201-*Politics Track*) (F1)
- See Additional Notes below.

Latest time to begin a major and graduate on schedule:

- Spring semester sophomore year

AP credit: Yes (See AP Exam table for details.)

POLITICAL SCIENCE

Courses that close quickly:

- Most sections of 110 and 151 close very quickly. At the 200 level, Justice Equality Liberty, Media & Politics, Philosophy of Law, Politics and Literature, Southern Politics, and Urban Politics and Policy close quickly. Each 200-level course listed above may be offered once a year only. Topics courses at any level also tend to close quickly.

Courses that must be taken in sequence:

- 151 should be taken before other political science courses.
- Students should take POLS 270 in the spring of their sophomore year or in fall of their junior year as this is a methods of inquiry course that will assist them in understanding material from most 300-level courses in the discipline.

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- Most courses outside of 151, 110, 270, and the senior seminar are offered only once per year or less frequently.

Courses that don't count toward a major:

- 262 (Mock Trial), 263 (Trial Procedures) and 264 (Advanced Trial Concepts) are courses that do not count toward the major but may be of interest to students wanting to pursue legal studies or a career in law.

Additional Notes:

- Depending upon students' specific interests, they may also find introductory-level courses in Economics, Philosophy, Psychology, History and/or Urban Studies to be complementary to their political science courses. Students in other majors with interests in topics like education, health, media, psychology and/or technology may find specific electives to be complementary to the courses of study in their majors. Interested students may earn F11 internship credits through participation in POLS 460 (generally after the sophomore year). Please contact the department chair with further questions.

PSYCHOLOGY

Degree offered: BA

Tracks: NA

Total Credits Required for Major: 44

Interdisciplinary Majors (See Catalogue for requirements.)

- Music and Psychology
- Neuroscience
- Educational Studies

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- Psychology courses numbered below 200 have no prerequisites.

Courses required for majors and appropriate for beginning students:

- Topics in Psychology PSY 105 (F8 some sections). Courses numbered below 150 are designed to introduce students to psychology in the context of one particular issue or problem. One of these courses can count toward the major, but they are designed for non-majors.
- Introduction to Psychological Science PSY 150 (F8). Most upper-level psychology courses require this course as a prerequisite. Non-majors interested in further study in the department or in psychology-related careers should enroll in this course. Students interested in medical school should also enroll in this course.
- Research Methods and Statistics PSY 200. Required of all majors and minors. Students will be taught critical thinking and scientific reasoning, basic experimental design, and elementary statistics. **Students planning to major in psychology should take this as soon as possible.**
- Some 200-level course(e.g., Infant & Child Development(PSYC 229), Educational Psychology(PSYC 222)) are appropriate if students have a strong foundation in Introductory Psychology(e.g., scored a 5 on the AP Psychology exam). As a general guide, 200-level courses introduce students to reading, using, and evaluating primary research sources)

Required courses in other departments:

- NA

Recommended courses in other departments:

- Recommended courses vary depending on the student's career goals.

PSYCHOLOGY

Latest time to begin a major and graduate on schedule:

- Ideally, first semester of sophomore year.

AP credit: Yes (See AP Exam table for details.)

Courses that close quickly:

- Most psychology courses close in pre-registration. Students will need to put psychology courses high in the registration tree.

Courses that must be taken in sequence:

- 200 should be taken after 150
- 200 and 211 can be taken in any order or concurrently
- All 300 level courses should be taken after 150, 2000, and 211.
- Advanced Topics in Research Methods (350 – 352) must be taken in the Junior Year

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- NA

Courses that don't count toward a major:

- a second 105 Topics course

Additional Notes:

In the following cases, prerequisites can be waived:

- 229 Developmental Psychology—Junior or Senior biology majors and Educational Studies minors need not take Psych 200.

RELIGIOUS STUDIES

Degree offered: BA

Tracks: NA

Total Credits Required for Major: 36

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students (First Year Students ONLY):

- 101 The Bible: Texts and Contexts (F1)
- 102 The Bible: Texts and Contexts (F1, F2i)
- Note: The entire sequence must be taken during the first year and must be completed before taking any RELS 200-level course

Courses required for majors and appropriate for beginning students:

- NA

Required courses in other departments:

- NA

Recommended courses in other departments:

- NA

Latest time to begin a major and graduate on schedule:

- Second semester sophomore year

AP credit: No

Courses that close quickly:

- All 100- and 200-level courses

Courses that must be taken in sequence:

- 255 and 256 are recommended, but not required, to be taken in sequence.

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- 101 The Bible: Texts and Contexts - Fall semester
- 102 The Bible: Texts and Contexts - Spring semester
- 485 Senior Seminar - Spring semester

RELIGIOUS STUDIES

Courses that don't count toward a major:

- NA

Additional Notes:

- First-year students need to take a whole year of either Search (Hum) or Life (RELS). Students should not register for any other RS courses in their first year, with rare exceptions, and in no case for any RS courses other than Life or Search in their first semester.
- If a student wishes to major or minor in Religious Studies, either RELS 101-102 or HUM 101-102 will constitute the first required courses. A student not in the Life track who plans to major or minor in Religious Studies should take HUM 201, Religious Studies track, in his or her sophomore year.
- Students who have completed the first-year Search or Life sequence should not enroll in another RELS 101-102 class in a subsequent year.

THEATRE

Degree offered: BA

Tracks: NA

Total Credits Required for Major: 48

Minor: Yes (See Catalogue for requirements.)

Courses appropriate for beginning students:

- 100 Introduction to Theatre (F5). Fundamental elements of history, literature, performance, and design. NOTE: Required course for the Theatre major and minor and a prerequisite for other courses in the major and minor.
- 120 Acting I (F5). An introduction to elements of conventional acting for the stage and screen.
- Auditioning for a Mainstage production (watch for calls for auditions)

Courses required for majors and appropriate for beginning students:

- 220 Production Technologies. An introduction to production technology and techniques. Provides hands-on experience with set construction and lighting. (F5 pending)
- 222 Introduction to Theatrical Design (F5)

Required courses in other departments:

- NA

Recommended courses in other departments:

- Art courses including Performance Art (F5)
- Dramatic literature courses in Greek and Roman Studies, English, and Modern Languages and Literatures (F4)
- Applied Music Lessons (F5)

Latest time to begin a major and graduate on schedule:

- Sophomore year

AP credit: No

Courses that close quickly:

- All courses appropriate for beginning students. See above.

THEATRE

Courses generally taken in sequence:

- 100 Introduction to Theatre, 270 Performance Theory, 301 Theatre Lab, 485 Senior Seminar

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- Spring: 485 Senior Seminar

Courses that don't count toward a major:

- NA

Additional Notes:

- Students interested in a Theatre major should begin with 100 Introduction to Theatre. First-year students can also take 120 Acting I, or 222 Introduction to Theatrical Design; check course listings for specific offerings each semester.
- All students can audition for McCoy Theatre productions. Participation in a production normally carries 1 academic credit, acceptable beyond the normal 16-credit course load for a semester.

URBAN STUDIES

Degree offered: BA

Tracks: Urban Studies or Urban & Community Health

Total Credits Required for Major: 44

Minor: Yes Urban Studies and Urban & Community Health (See Catalogue for requirements.)

Courses appropriate for beginning students:

- 201 Introduction to Urban Studies (F8, F11)
- RELS 101 The Bible and Medicine(F1)
- URBN 265 Globalization and Cities
- URBN 265 Black Communities and Law Enforcement

Courses required for majors and appropriate for beginning students:

- 201 Introduction to Urban Studies (F8, F11)

Required courses in other departments:

- NA

Recommended courses in other departments:

- INTD 225 Geographic Information Systems

Latest time to begin a major and graduate on schedule:

- Spring of second year

AP credit: No

Courses that close quickly:

- 201 Introduction to Urban Studies (F8, F11)

Courses that must be taken in sequence:

- NA

Courses not to be taken concurrently:

- NA

Courses with time-of-year limitations:

- NA

Courses that don't count toward a major:

- NA

URBAN STUDIES

Additional Notes:

- Students interested in majoring or minoring in Urban Studies should enroll in 201: Introduction to Urban Studies, in their first year or fall of second year.
- The Urban Studies Program houses two majors: Urban Studies and Health Equity.
- Students interested in Urban Studies are encouraged to contact Professor Thomas (thomase@rhodes.edu), Director of Urban Studies, to learn more about the program.

PRE-PROFESSIONAL: EDUCATION

Rhodes College offers an interdisciplinary major and minor in Educational Studies which consists of a combination of courses in education and other disciplines in the liberal arts. The major has three tracks: Teaching and Learning; Community and Social Change; and Policy and Reform. Students who want to be teachers should select the Teaching and Learning track. There is an application to the licensure program to be completed as soon as students have completed the qualifying PRAXIS exams. Students seeking secondary licensure should double major in the content area in which they plan to teach. Students seeking elementary licensure are not required to double major. Students who are considering a major in Educational Studies should schedule a meeting with either Professor Person or Professor Casey during their first semester at Rhodes.

Contact Person:

Dr. Natalie Person, person@rhodes.edu, 901-843-3988 or

Dr. Zac Casey, caseyz@rhodes.edu, 901-843-3742

Education Web Site: <http://www.rhodes.edu/education>

The **major** in Educational Studies requires 51 or 52 credits. The required courses for the major are listed below. More information about elective courses for the three tracks can be found in the College Catalogue (<http://catalog.rhodes.edu/catalog/requirements-major-educational-studies>)

Core Requirements (7 courses)

- Foundations (both required)
 - Foundations of Education ED 201 (F8)
 - Educational Psychology PSY 222
- Human Behavior (one of the following)
 - Infant and Child Development PSY 229 (for elementary candidates; some sections F11)
 - Adolescence PSY 230 (for secondary candidates)
 - Evidence-based therapies PSYC 324
 - Learning & Motivation PSYC 326
- Quantitative Skills (one of the following)
 - Psychological Statistics PSY 211 (F6)
 - Econ Stat ECON 290 (F6)
 - Probability Stat MATH 111 (F6)
- Philosophy, Ethics, Policy, & History (one of the following)
 - Philosophy of Education PHIL 270 (F11)
 - Ethics PHIL 301 (F1)
 - Essays in Education ENGL 265
 - Urban Education Policy POLSCI 240
 - History of Race & Education

PRE-PROFESSIONAL: EDUCATION

- Educational Equity and Disparities (one of the following)
 - Urban Education ED 220
 - African American Experience in U.S. Schools ED 225 (F9, F11)
 - Race, Class, Gender, & Sexuality ED 320 (F9)
- Education Senior Seminar 485

Required Courses for Secondary Licensure (4 courses and Student Teaching in ninth semester is required)

- Principles of Curriculum and Instruction EDUC 355
- Academic Writing ENGL 290
- Educational Technologies EDUC 300
- Literacy & Reading in the Content Areas EDUC 310

Required Courses for Elementary Licensure (5 courses and Student Teaching in ninth semester is required)

- Principles of Curriculum and Instruction EDUC 355
- Literacy & Reading in the Content Areas EDUC 310
- Elementary Literacies EDUC 370
- Educational Technologies EDUC 300
- One additional course from electives

Community-integrative Education ED 360/660 (three-four semesters) (3-4 credits total)

- Over the course of the major, students will be placed in three to four diverse schools (360) or with community partners that have educational components/missions (460).
- All students must complete at least one section/credit of EDUC 360.
- Students will have their first field placement in their first semester after declaring. The ED 360/460 course instructor will work with majors to ensure that the school/community placement complements each student's course of study.
- Students seeking elementary licensure must complete four credits/semesters of EDUC 360; those seeking secondary licensure must complete three credits/semesters.
- Students must adhere to all Shelby County School rules and protocols in their placements.

Three tracks (five elective courses/20 credits for students not seeking licensure, see College Catalogue). All majors will choose one of three following tracks (1) *Teaching and Learning*; (2) *Community and Social Change*, (3) *Policy and Reform*.

PRE-PROFESSIONAL: EDUCATION

The minor in Educational Studies requires 24 credits.

- Education 201, 355, and 485.
- Psychology 222.

Eight credits selected from the following courses: Education 220, 225, 265, 300, 310, 320, 370; Education 451, 460 (2 or 4 credits); Economics 295 (2 credits); English 290; Language Acquisition and Pedagogy 240; Philosophy 255, 270; Political Science 240; Psychology 229, 230, 250, 326; Urban Studies 250.

PRE-PROFESSIONAL: HEALTH CLINICAL PSYCHOLOGY

Students interested in careers in Health Professions may include those intending to pursue a career in Clinical Psychology, Dentistry, Medicine, Physical Therapy, or any other professional medical sector. Rhodes does not have a pre-medical (or other pre-professional) major. Students preparing for a health career may major in any subject, depending on the course work required by individual programs. There are certain courses that are required for admission to some health professional schools and to prepare for their entrance exams, which are typically taken in the spring of the junior year or that summer. Students who are considering a career in a health field should contact the appropriate health professions advisor.

CLINICAL PSYCHOLOGY

Contact Person:

Dr. Katherine White
901-843-3235

Required Courses for Psychology Major:

- PSYC 150 Foundational Issues in Psychology (F8)
- PSYC 200 Research Methods and Statistics
- PSYC 211 Statistical Methods (F6)
- PSYC 350-353 (one Advanced Methods course)
- Seven additional courses (See Catalogue for requirements.)

Recommended Courses:

- PSYC 224 Psychological Disorders
- PSYC 318 Clinical Neuroscience
- PSYC 324 Evidence-Based Therapies or PSYC 311 Counseling Psychology
- PSYC 338 Psychological Assessment

Recommended GPA:

- A cumulative GPA of at least 3.50

Also Recommended:

- At least one year of research experience
- Experience presenting research at undergraduate or professional conference

Additional Notes:

PRE-PROFESSIONAL: HEALTH DENTISTRY

Contact Person:

Jessica Kelso 901-843-3081
Director of Health Professions Advising
HPA web site : <http://www.rhodes.edu/hpa>

Required Courses: Variable; be sure to consult with the Dir. of HPA and do research. All require:

- Introductory Biology I and II with lab (130, 131L, 140, 141L) (F7)
- Foundations of Chemistry and lab (120, 125L) (F7)
- Organic Chemistry I and II with lab (211, 212, 212L)
- Analytical Chemistry and Laboratory (240, 240L)
- Introductory Physics I and II, with lab (109 or 111, 113L, 110 or 112, 114L) (F6, F7) There is no Physics content on the DAT, so it may be taken in the senior year.
- English - Usually two courses in either composition or literature or Rhodes course work that demonstrates writing and communication.
- Depending on school: Upper-level science courses such as Microbiology and Biochemistry. (e.g. UTenn. now requires Biochemistry and one of Comparative, Microbiology, or Histology.

Required Experience:

- Dental experience through internships, volunteer, shadowing, or employment. Some general dentistry experience is required.

Required:

- Experience developing good three-dimensional perception and fine motor skills with hands and fingers including playing a musical instrument, sculpture, needlepoint, models, woodworking, etc.

PRE-PROFESSIONAL: HEALTH MEDICINE

Contact Person:

Jessica Kelso 901-843-3081
Director of Health Professions Advising
HPA web site : <http://www.rhodes.edu/hpa>

Required Courses: Standard

- Introductory Biology I and II with lab (130, 131L, 140, 141L) (F7)
- Foundations of Chemistry and lab (120, 125L) (F7)
- Organic Chemistry I and II with lab (211, 212, 212L)
- Analytical Chemistry and Laboratory- Required by some schools (240, 240L)
- Biochemistry (414)
- Introductory Physics I and II, with lab (109 or 111, 113L, 110 or 112, 114L) (F6, F7)
- Introduction to Psychological Science (150)(F8)
- Recommended: Introductory Sociology (Anthropology/Sociology 105) – not open to seniors.

The above must be completed by the end of the third year if a student will be able to take the MCAT and apply to Medical schools for matriculation directly after graduation. AP for Biology cannot satisfy these for most AAMC (award the MD) but may be okay for AACOM (award the DO), although upper level courses in these areas can be substituted when a student has taken AP or IB credits for the above.

- At least one advanced biology class that is most similar to medical school course content. Often these are listed as strongly recommended, but one is really required for a student to be competitive. It is recommended that these be taken earlier than application year. .
- English – Most want to see demonstrated course work in writing. All but one medical school accept our writing intensive classes in English to fulfil their composition or writing requirement, even when written as an English course requirement. AP can satisfy this at most schools.

PRE-PROFESSIONAL: HEALTH MEDICINE

Required Courses: Variable

Many of these now require Statistics. While either Math 111 or PSYC 211 can satisfy a statistics requirement, only MATH 111 would count for a math requirement if not specified as other than statistics.

Required Experience:

- Medical experience, through internships, chaplaincies, volunteering, shadowing or employment are required. While research can be useful for some, it does not give clinical medical experience. Continuous commitment to obtaining experience in medicine is required and should be started in the beginning of sophomore year for student planning to go straight into medical school.
- Community Service: Service to the community throughout college is desired. This may also be a medical experience but should show service to others (face to face best). Continuous service throughout college is highly suggested.

Recommended Courses:

- Most of our courses can play a role in preparing for medical school or becoming a Physician. Consult with HPA advisers.

Recommended GPA:

PRE-PROFESSIONAL: HEALTH OTHERS

Contact Person:

Jessica Kelso 901-843-3081
Director of Health Professions Advising
HPA web site : <http://www.rhodes.edu/hpa>

**PHYSICAL THERAPY, OPTOMETRY, NURSING, PHYSICIAN ASSISTANT,
PHARMACY, PUBLIC HEALTH, SPEECH AND LANGUAGE PATHOLOGY,
GENETIC COUNSELING, Non-MBA HEALTH ADMINISTRATION or SERVICES,
NUTRITION, OCCUPATIONAL THERAPY, PODIATRIC MEDICINE,
CHIROPRACTIC MEDICINE AND OTHERS.**

Required Courses and Recommended GPAs:

The requirements and suggested GPAs for these fields vary. Interested students should consult the Director of HPA early in their career at Rhodes.

- All programs above require specific courses.
- AP and IB credit is often allowed, if credited on the Rhodes transcript.
- Some specific programs and schools require technical or lower level course work that we do not offer at Rhodes. i.e., Human Anatomy and Physiology I and II with labs, Single Life-Span Development – Psychology, and Medical Terminology.

Required Experience:

Most programs have specific requirements for experience and many have specific hour requirements. Consult with HPA advisers.

PRE-PROFESSIONAL: PRE-ENGINEERING

(data per 2017-18 catalogue)

Rhodes offers several dual degree engineering programs: a dual bachelor's degree program with Washington University (St. Louis), a B.S.-M.S. degree program with Washington University (St. Louis), a dual bachelor's degree program with Christian Brothers University, and a B.S.-M.S. degree program in Biomedical Engineering or Electrical Engineering with the University of Memphis. Students receive a B.S. from Rhodes, and a second degree (B.S. or MS) in engineering from the partner institution.

Contact Person:

TBA

901-843-3915

Dual Bachelor's Degree Program with Washington University:

Students in this program attend Rhodes for 3-4 years and then Washington University for 2 years of engineering study. Students apply to Washington University in the 3rd or 4th year at Rhodes. Engineering study can be in one of the following areas: biomedical, mechanical, electrical, computer, chemical, system science and engineering. Upon completion of this program students will receive a bachelor's degree from Rhodes and a second bachelor's degree *of science* in engineering from Washington University. Requirements for this program are the following:

- Rhodes Foundations requirements: at least fifteen credits in the Humanities and Social Sciences combined, and of those at least six hours in Humanities and three hours in Social Sciences.
- The following core math and science courses:
 - Mathematics 121, 122, 223, 251. (F6)
 - Chemistry 120, 125L. (F7)
 - Physics 111, 112, 113L, 114L. (F6, F7)
 - Computer Science 141. (F6)
- Additional courses in chemistry, biology, computer science, mathematics, or physics depending on the course of study to be pursued at Washington University and the major pursued at Rhodes. These are listed in the "Planning a Degree" section of the College Catalogue.
- A cumulative and science/math GPA of 3.25 at Rhodes is required for admission to Washington University for the engineering portion of the program.
- Financial aid does not transfer from Rhodes to Washington University.

PRE-PROFESSIONAL: PRE-ENGINEERING

B.S.-M.S. Degree Prom with Washington University in St. Louis

- This program has the same requirements as the dual bachelor's degree program above but is structured as a 3-3 program. The student spends 3 years at Rhodes and then 3 years at Washington University. The student receives a BS from Rhodes and a masters in Engineering from Washington University. The course and GPA requirements are identical to the dual BS program. Again, financial aid does not transfer from Rhodes to Washington University.

Dual Degree Program with Christian Brothers University:

Students in this program attend Rhodes for 3 years and then Christian Brothers University for 2 years of engineering study. Engineering study can be in one of the following areas: mechanical, electrical, civil, chemical engineering with chemistry or biochemistry emphasis. Upon completion of this program students will receive a bachelor's degree from Rhodes and a second bachelor's degree in engineering from Christian Brothers University. Requirements for this program are the following:

- Rhodes Foundations requirements, with one of the F1 courses being a philosophy course.
- The following core math and science courses:
 - Mathematics 121, 122, 223, 251. (F6)
 - Chemistry 120, 125L. (F7)
 - Physics 111, 112, 113L, 114L. (F6, F7)
- Additional courses in chemistry, biology, mathematics, or physics depending on the course of study to be pursued at Christian Brothers University and the major pursued at Rhodes. These are listed in the "Planning a Degree" section of the College Catalogue.
- A cumulative GPA of 2.5 at Rhodes is required for admission to Christian Brothers University for the engineering portion of the program.
- Financial aid does not transfer from Rhodes to Christian Brothers University.

B.S.-M.S. Degree Program with the Joint Program in Biomedical Engineering at the University of Tennessee Health Sciences Center:

Students in this program will attend Rhodes for 3 years majoring in chemistry or physics, and then study biomedical engineering for 2 years in the joint program in Biomedical Engineering at the University of Memphis/University of Tennessee. Upon completion of this program students will receive a bachelor's degree from Rhodes and a master's degree in biomedical engineering from the University of Memphis/University of Tennessee. Requirements for this program are the following:

PRE-PROFESSIONAL: PRE-ENGINEERING

- Rhodes Foundations requirements
- The following core math and science courses at Rhodes
 - Mathematics 121, 122, 223, 251. (F6)
 - Chemistry 120, 125L, and an approved second semester of chemistry with laboratory (F7)
 - Physics 111, 112, 113L, 114L. (F6, F7)
 - Computer Science 141 (F6)
- Additional courses depending on the specific major chosen at Rhodes. These are listed in the “Planning a Degree” section of the College Catalogue.
- Additional undergraduate courses in engineering at the University of Memphis
- Graduate courses in the biomedical engineering as specified by the graduate program.
- A cumulative GPA of 3.25 or better at Rhodes, both overall and in the science and mathematics courses must be maintained past the junior year.
- Financial aid does not transfer from Rhodes to The University of Memphis, but the student can receive a graduate assistantship to cover graduate course tuition.

B.S.-M.S. Degree Program with Electrical Engineering Program at the University of Memphis:

Students in this program will attend Rhodes for 3 years majoring in physics, and then study electrical engineering for 2 years at the University of Memphis. Upon completion of this program students will receive a bachelor’s degree from Rhodes and a master’s degree in electrical engineering from the University of Memphis. Requirements for this program are the following:

- Rhodes Foundations requirements
- The following math and science courses at Rhodes
 - Mathematics 121, 122, 223, 251. (F6)
 - Chemistry 120, 125L, and an approved second semester of chemistry with laboratory (F7)
 - Physics 111, 112, 113L, 114L. (F6, F7)
 - Physics 211, 213L, 250, 301, 302, 304
 - Computer Science 141 (F6), 142
- Complete 128 credits of undergraduate coursework from Rhodes, the University of Memphis, and any other institutions
- Graduate coursework in electrical engineering as specified by the graduate program.

PRE-PROFESSIONAL: PRE-ENGINEERING

- A cumulative GPA of 3.25 or better at Rhodes, both overall and in the science and mathematics courses must be maintained past the junior year.
- Financial aid does not transfer from Rhodes to The University of Memphis, but the student can receive a graduate assistantship to cover graduate course tuition.

Additional Information:

Students considering any of these dual degree programs should arrange an appointment with Professor Young as early as possible in their Rhodes career.

PRE-PROFESSIONAL: PRE-LAW

Rhodes does not have a pre-law major. Student considering careers in law can major in any subject, preferably one that they enjoy and in which they do well. We do offer pre-law advising for student in any department who are interested in applying to law school. Students interested in applying to law school should set an appointment with the college's pre-law advisor by the fall of their junior year. Pre-law advising will include suggested course, personal statement review, application advice, and testing preparation.

Contact Person:

Professor Anna Eldridge, Pre-Law Advisor
901-843-3330

Recommended Courses:

The Association of American Law Schools recommends that a student's undergraduate education fulfill the following objectives:

1. The student should learn to express thoughts clearly and concisely, both orally and in writing.
2. The student should develop creative power in thinking as well as logical reasoning about research, fact completeness, and fact differentiation.
3. The student should acquire a critical understanding of human institutions and values with which law deals.

While there are no required courses, any student considering law school should select some courses that emphasize language precision and the careful analysis of language such as Constitutional Law, Rights of the Accused, Philosophy of the Law, Business Law, or Political Philosophy courses. Forensic experiences, including public speaking, theater, mock trial, and the like, are also highly recommended.

Taking the LSAT:

The Law School Aptitude Test (LSAT) should be taken in the summer before the senior year or at the very latest in October of the senior year. Law schools have become more likely to use the student's best score, rather than the average of multiple scores, but there are still disadvantages to re-taking the exam. For example, law schools are likely to look more favorably on the applicant who made the high score in one try, and the applicant's re-take score could be worse. Thus, the test should only be re-taken if the initial score fell well outside the student's practice-test range, extraordinary

PRE-PROFESSIONAL: PRE-LAW

problems arose in taking the exam, or significant new preparation techniques will be employed.

Recommended GPA:

At least 3.5 for a good law school. Possibly a 3.0 for a lesser school. Students with GPA's between 3.0 and 3.5 may improve their chances if they score well on the LSAT (at least the 50th percentile).

Additional Information:

Any student considering a career in law should arrange a "pre-law appointment" with Anna Eldridge no later than fall of the junior year.

Internships are not required for law school applications. Internships may provide opportunities to learn what types of law are of interest to the student, but do not meaningfully impact the application itself. Rhodes offers a variety of internship opportunities for student interested in learning more about various legal fields.

Mock Trials:

Students who want to participate on our mock trial program must register for Trial Procedures (Political Science 262) in the fall of their first year. This two credit course is mandatory for all students who plan to compete in mock trial. This course is appropriate for first year students.

Additional Notes:

PRE-PROFESSIONAL: PRE-MINISTRY

Rhodes has a supportive, advisory pre-ministry program for students who are considering seminary or divinity school following graduation, and for those who are exploring vocations in ministry and church-related professions. Many Rhodes students have a broad-based understanding of ministry and may wish to explore the pre-ministry program in preparation for careers in pastoral ministry, global service, medicine, social work, teaching, counseling, or law. Students interested in attending seminary or divinity school as preparation for a career in teaching or research should contact the Chaplain or any member of the Department of Religious Studies.

Contact Persons:

Students considering a career in ministry should speak with Dr. Stephen Haynes, Professor of Religious Studies (901-843-3583) or with Rhodes' Chaplain, Beatrix Weil (901-843-3804) as soon as possible in their undergraduate careers. By registering with the Preparation for Ministry program, students will have access to advisers, supervised ministry opportunities, and a supportive structure for exploring vocations in ministry.

Because requirements for ordination to the ministry vary greatly among religious denominations, students interested in ordination should also contact a church representative to familiarize themselves with these requirements.

Preparation:

There is no "required curriculum" for students considering the ministry. Traditionally, however, a well-rounded curriculum in the liberal arts and sciences has been the standard preparation for seminary or divinity school. In addition to the Basic Humanities Requirement ("Search" or "Life"), these courses in Language, History, Philosophy, Religious Studies, and Psychology can provide a particularly strong background for seminary or divinity school:

- Greek & Roman Studies 101-102:Elementary Greek
- Hebrew 101-102:Biblical Hebrew
- History 243:The Civil Rights Movement (F3)
- Philosophy 240:Philosophy of Religion (F1)
- Political Science 214: Modern Ideologies
- Psychology 311: Counseling Psychology
- Religious Studies 210:History of Christian Thought (F1)
- Religious Studies 211: Contemporary Theology (F1)
- Religious Studies 214 :Early Christian Literature (F1)
- Religious Studies 231: Faith, Health and Justice(F1)
- Religious Studies 233 Pain, Suffering and Death (F1) (F11)
- Religious Studies 251 Religion in America (F1)

PRE-PROFESSIONAL: PRE-MINISTRY

- Religious Studies 253, 255, or 258 Living Religions (F1)
- Religious Studies 460 Health Equity Internships

Languages:

Hebrew and Greek are required at some seminaries in order to study the original biblical texts. Latin, Arabic, Spanish, French, and German may be necessary for certain areas of advanced study.

Experiential Education and Supervised Ministry:

Students should also gain experience in urban studies or urban ministry, faith-based social services, international programs, and local church ministries through internships and volunteer programs. Contact the Chaplain's office for supervised ministry opportunities and other church-related internships.

Seminary Inquiry:

Seminaries, divinity schools and global mission recruiters frequently visit the Rhodes campus. Because there are a variety of theological degrees (M.Div, MTS, MA, D.Min, Th.D, Ph.D) and combined degrees (with social work, law, public policy, or counseling) students should consult with their advisers about the graduate degree best suited to their vocation. During Junior and Senior years, pre-ministry students have opportunities for weekend visits to theological schools to more closely consider graduate study and the discernment of vocation.

Taking the GRE and Applying to Graduate School:

Most seminaries and divinity schools attended by Rhodes graduates are accredited by the Association of Theological Schools and will require the Graduate Record Exam (GRE). Undergraduate GPA requirements for admission are at least 2.50 for the M.Div. and higher for research degree programs. Rhodes students have a nearly 100% acceptance rate at major seminaries and theological schools. Scholarships for attending seminary, divinity school, or graduate school in religion are generally competitive and based on undergraduate achievement. In recent years, Rhodes students have been accepted and offered significant scholarships by Columbia Theological Seminary, Princeton Theological Seminary, Vanderbilt Divinity School, Emory University, Candler School of Theology, Union Theological Seminary in New York, Harvard Divinity School, Yale Divinity School, Virginia Theological Seminary, McCormick Theological Seminary, Boston University School of Theology and Chicago Divinity School.

Additional Notes:

PRE-PROFESSIONAL: PRE-VETERINARY

Contact Person:

Dr. Alan Jaslow 901-843-3602
Exec. Director of Health Professions Advising

Required Courses:

Standard

- Introductory Biology I and II with laboratories (111, 111L, 112, 112L) (F7)
- Foundations of Chemistry and Laboratory (120, 125L) (F7)
- Organic Chemistry I and II with laboratory (211, 212, 212L)
- Analytical Chemistry and Laboratory (240, 240L)[for all but one]
- Introductory Physics I and II, with laboratories (109 or 111, 113L, 110 or 112, 114L)
- Upper level biology or chemistry courses. Many programs specify courses such as Biochemistry, Microbiology and/or Genetics

Requirements vary by school, but most require from one to five additional upper level courses, some with specified courses and others recommended. Consult with the pre-veterinary adviser and the prospective program.

Some require public speaking. A few schools require Animal Nutrition and expect this technical course to be taken as a distance learning course for most.

Required Experience:

- Animal experience. This can be as an employee, volunteer, or internship. Animal experience is counted separately from under-veterinarian-supervision-experience. Many schools specify hours for both, or specify how many hours must be under a vet.