Summary of Proposed Curriculum Revisions

Ouachita Baptist University November 2021

The faculty **approved** these curriculum revisions at a faculty meeting on November 30, 2021.

Christian Studies | General Academic Programs | Natural Sciences

The short form notation indicates informational level curriculum revisions submitted on the Curriculum and Academic Standards Committee's short form, which addresses course title changes, course time offering changes, and non-substantive changes to course content and/or descriptions. These short form revisions will NOT be brought to the faculty for discussion or a vote, unless questions are raised before the faculty meeting.

Christian Studies

Philosophy	Proposed Changes
	Add a new Apologetics minor
	Rationale
	Prospective and current students express interest in studying apologetics. We currently offer a course in apologetics in BSTH. This minor packages additional related courses, all currently offered, to further respond to this interest. Most students could accomplish this goal with a minor in Philosophy and another elective or two. This minor will make it easier for students to identity and pursue relevant courses for their interest.
	Catalog Entry
	The following proposed changes will begin on page 65 of the current catalog.
	A Minor in Apologetics must satisfy the following requirements (total of 18 hours): PHIL 1003 Introduction to Philosophy PHIL 1023 Logic PHIL 4053 Philosophy of Religion BSTH 3003 Christian Apologetics BSTH 4403 Christian Theology
	One of the following: PHIL 2063 The Good Life PHIL 3183 Issues in Science and Religion PHIL 3193 Suffering, Tragedy, and Christian Faith

The following are recommended as relevant electives: BSTH 3323 History of Christianity MSSN 3403 World Religions MSSN 3323 New Religious Movements COMM 3033 Interpersonal Communication COMM 3273 Argumentation and Debate

General Academic Programs

Military **Proposed Changes** Science Add a new course: MSCI 1000: Leadership Lab Modify course content Modify a program Rationale These changes are necessary to conform to requirements for ROTC programs sponsored by the U.S. Army. They will also clarify expectations for cadets interested in completing a Military Science minor. The proposed changes do not substantively alter the content of the program or the requirements for the minor in military science; it brings the military science program into alignment with the U.S. Army's requirements for ROTC programs and eliminates the inconsistency between the course descriptions in the catalog and course offerings listed in the schedule. However, the proposal does add a zero-credit course titled Leadership Lab, which allows the program to include a scheduled time for this leadership experience, which was previously stated within each course description. **Catalog Entry** The following proposed changes will begin on page 45 of the current catalog. **Requirements for a Minor in Military Science:** A minor in Military Science requires completion of the university CORE, a university recognized major, and 19 hours of the following MSCI courses: MSCI 2032, 2042, 3053, 3063, 3093, 4073 and 4083. In addition, a non-credit leadership lab is required in conjunction with other MSCI courses. The Military Science minor recognizes the efforts of Military Science students in completion of the 19 hours of Military Science that are required to become a 2nd Lieutenant in the U.S. Army. The University recognizes the past, present, and future work and dedication of the students that meet the requirements for the Military Science minor. 1000. Leadership Lab. This lab focuses on the development of students interested in developing leadership skills through concrete experiences. These experiences expand on lessons from the respective military sciences courses they attend to solidify the principles required to be leaders of good moral character in the military and in their community. These principles are often directly applied across other organizations these students are members of across campus, strengthening other campus programs and improving the efficacy of student run programs. Fall, Spring 1011. Introduction to the Army. MSCI 1011 focuses on introduction to the Army and basic Soldier skills. It introduces Cadets to the Army and the Profession of Arms. Students will examine the Army Profession and what it means to be a professional in the U.S. Army. The overall focus is on developing basic knowledge and comprehension of the Army Leadership Requirements Model while gaining a complete understanding of the Reserve Officers' Training Corps (ROTC) program, its purpose in the Army, and its advantages for the student. Cadets also begin learning map reading and

land navigation. Students will have initial classes on fieldcraft, first aid, individual/team movement techniques that will include a weekly lab facilitated by MS III Cadets and supervised by MS IV's and cadre. **Fall.**

1021. Foundations of Leadership.

MSCI 1021 introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn the personal development of life skills such as critical thinking, time management, goal setting, and communication. Cadets learn the basics of the communications process and the importance for leaders to develop the essential skills to effectively communicate in the Army. Cadets will begin learning the basics of squad level tactics that will be reinforced during a weekly lab facilitated by MS III Cadets, supervised by MS IVs and cadre. **Spring.**

2032. Military Leadership and Ethics

MSCI 2032 focuses on leadership and ethics. The course adds depth to the Cadets knowledge of the different leadership styles. Cadets will conduct a leadership analysis of famous leaders and self-assessment of their own leadership style. The Army Profession is also stressed through understanding values, ethics and how to apply both to different situations they may encounter as a leader. Army Values and Ethics and their relationship to the Law of Land Warfare and philosophy of military service are also stressed. Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during a weekly lab facilitated by MS III Cadets, supervised by MS IV's and cadre. **Fall.**

2042. Army Doctrine and Decision Making.

MSCI 2042 focuses on Army doctrine and decision making. The course begins with analytical techniques, creative thinking skills and the Army problem solving process as related to situations faced by leaders when making decisions. TLPs and OPORD will lead Cadets to an understanding of Army Doctrine and Symbology. Squad tactics will be covered in classes on Unified Land Operations, Offensive Operations and Defensive Operations. Students are then required to apply their knowledge outside the classroom in a hands-performance-oriented environment during a weekly lab facilitated by MS III Cadets and supervised by cadre. **Spring.**

Advanced Courses

3053. Training Management and the Warfighting Functions.

MSCI 3053 focuses on training management and the warfighting functions. It is an academically challenging course where you will study, practice, and apply the fundamentals of Training Management and how the Army operates through the Warfighting functions. At the conclusion of this course, you will be capable of planning, preparing, and executing training for a squad conducting small unit tactics. Includes a lab per week using peer facilitation overseen by MSL IVs, supervised by ROTC Cadre. **Fall.**

3063. Applied Leadership in Small Unit Operations.

MSCI 3063 focuses on applied leadership in small unit operations. It is an academically challenging course where you will study, practice, and apply the fundamentals of direct level leadership and small unit tactics at the platoon level. At the conclusion of this course, you will be capable of planning, coordinating, navigating, motivating and leading a platoon in the execution of a mission. Includes a lab per week using peer facilitation overseen by MSL IVs, supervised by ROTC Cadre. Successful completion of this course will help prepare you for the Cadet Summer Training Advance Camp, which you will attend in the summer at Fort Knox, KY.

Spring.

3093. U. S. Military History.

This MS II level course students will study and apply the history of the American military. This course builds an understanding of and integrates the principles and practices of changing economic, society and world events on military operations and American culture throughout the history of the United States. At the Conclusion of this course, students will have knowledge of the American Military history and the effects of a changing society and world economy on the American military. **Spring.**

4073. The Army Officer.

MSCI 4073 focuses on development of the Army Officer. It is an academically challenging course where you will develop knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. You will also learn about Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities. At the conclusion of this course, you will be familiar with how to plan, prepare, execute, and continuously assess the conduct of training at the company or field grade officer level. Includes a lab per week overseeing MSL III lesson facilitation and supervised by ROTC Cadre. **Fall.**

4083. Company Grade Leadership.

MSCI 4083 is an academically challenging course where you will develop knowledge, skills, and abilities required of junior officers pertaining to the Army in Unified Land Operations and Company Grade Officer roles and responsibilities. This course includes reading assignments, homework assignments, small group assignments, briefings, case studies, practical exercises, a midterm exam, and an Oral Practicum as the final exam. The Oral Practicum explores your knowledge of how you will be prepared for the Army Warfighting Challenges (AWFC) covered throughout the ROTC Advanced Course. Successful completion of this course will assist in preparing you for your BOLC B course and is a mandatory requirement for commissioning. Includes a lab per week overseeing MSL III lesson facilitation and supervised by ROTC Cadre. **Spring.**

4123. Independent Study in Leadership.

The ROTC program Officer-In-Charge will conduct leadership classes with students and assign additional coursework as needed to develop the student into a successful Army officer.

Natural Sciences

Math	 Proposed Changes Delete MATH 3113 Applied Linear Algebra Modify MATH 3093 Linear Algebra course description and prerequisites Change the degree requirements for the BS in Applied Mathematics Replace MATH 3113 with MATH 3093 Change the catalog wording from "In addition, students must complete a second major" to "A minor must be completed in biology, chemistry, computer science, or physics." Rationale Two years ago, we split the linear algebra course into two courses for different audiences. A reduction in the number of positions in the department means that we will not be able to staff two courses. Although we will use the lower level course title Linear Algebra, we will alter its content to match the applied course, which has a broader audience. The requirement of a second major for the BS in Applied Mathematics is incorrect – it was supposed to have been removed from the catalog two years ago. Catalog Entry The following proposed changes will begin on page 158 of the current catalog. Requirements for a B.S. in Applied Mathematics: MATH 1103, 2014, 2024, 2343, 3034, 3053, 3093, 4463; either 3043 or 3063; and six additional Junior-Senior hours in Mathematics. CSCI 1044; CHEM 1004 or PHYS 2054. A minor must be completed in
	 biology, chemistry, computer science, or physics. 3093. Linear Algebra. A study of vectors, matrices, and their applications. Topics include linear systems, matrix algebra, matrix factorizations, real vector spaces, determinants, eigenvectors and eigenvalues, orthogonality and least squares, diagonalization, and the singular value decomposition. Prerequisite: MATH 2024 or MATH 2073 or MATH 2343. Fall of even-numbered years. (Delete MATH 3113 from the catalog.)
Computer	Proposed Changes
Science	Replace MATH 3113 with MATH 3093 for the BS in Computer Science degree requirements
<mark>Short Form</mark>	Rationale
	The Mathematics program is deleting MATH 3113 Applied Linear Algebra and replacing it with MATH 3093 Linear Algebra; thus, the degree requirements need to reflect this change.
	Catalog Entry

	The following proposed changes will begin on page 161 of the current catalog.
	B.S. degree: Computer Science core (CSCI 1044, 1053, 2103, 4601 and either 4303 or 4103), a four- course CSCI emphasis, and nine additional hours in computer science; MATH 1103, MATH 2014, MATH 2073, MATH 3093; ENGL 3013 [CW2]; CHEM 1004 or PHYS 2054; PHIL 4013 or BUAD 4083. A minor must be completed in biology, chemistry, physics or mathematics.
Biology	 Proposed Changes Add a new course: BIOL 3xx3 Biostats
	Rationale
	To obtain a BS in Biology, students must complete an undergraduate research project. The majority of biology students plan to attend medical school or graduate school, where they will perform research. To prepare students for their undergraduate project and post-graduate careers, students must be able to analyze biological data using statistics that are foundational to biological studies. The biological statistics course will focus on experimental designs used in clinical, basic, and ecological research, the statistical tests and assumptions used to analyze these types of datasets, and the interpretation of these types of data. Students will learn how to use statistical software that is widely used in the sciences. Biostatistics will provide students with an opportunity to build their data science skills; an area that is one of the fastest growing career fields in the sciences (US Bureau of Labor Statistics). This course will increase the number of Junior/Senior-level course offerings in the Biology department. In addition, the course will provide more flexibility for students by offering an additional statistics course that will be available in the Fall semester. All students taking this course need at least a basic understanding of genetics and physiology to be able to develop a research project for the course. In addition, students must be able to understand basic concepts in algebra. Students without this background would struggle in the course.
	Catalog Entry
	The following proposed changes will begin on page 146 of the current catalog.
	BIOL 3xx3. Biostatistics. An introduction to biological statistics focusing on clinical and ecological data using a statistical computing environment used extensively in the sciences. Topics include descriptive statistics, hypothesis testing, experimental design, probability, two-sample tests, contingency tables, analysis of variance, and regression. Prerequisites: 4 hours of Biology and an MPI of 80 or higher or a grade of C or higher in MATH 1003. Fall.